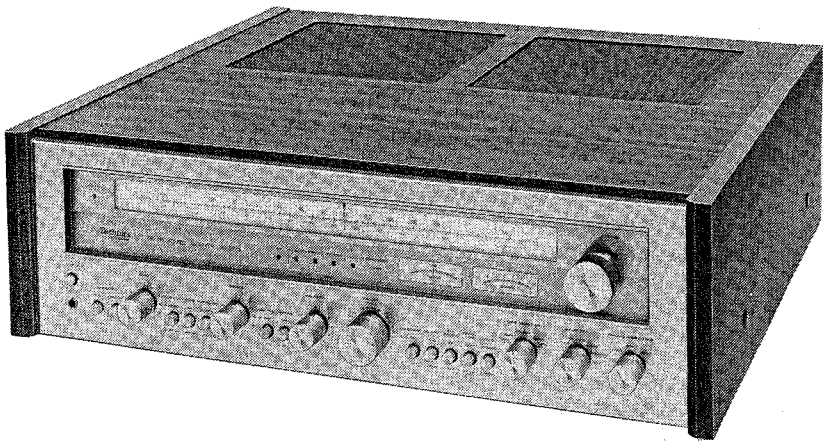
ORDER NO. SD7702-1180

Service Manual

FM/AM STEREO RECEIVER

SA-5770

(M), (MC)



Simulated wood cabinet

- The model SA-5770(M) is available in America only.
- The model SA-5770(MC) is available in Canada only.

TECHNICAL SPECIFICATIONS (IHF) Specifications are subject to change without notice for further improvement.

AMPLIFIER SECTION

Rated minimum sine wave RMS power output
20 Hz ~ 20 kHz
both channels driven
0.08% total harmonic distortion
165W per channel (8 ohms)

20 Hz~20 kHz continuous power output	
both channels driven	
0.08% total harmonic distortion	205W per channel (4 ohms)
1 kHz continuous power output	
both channels driven	
0.08% total harmonic distortion	175W per channel (8 ohms)
	230W per channel (4 ohms)
Total harmonic distortion	0.08% at rated power (20 Hz~20 kHz)
	0.05% at half power (20 Hz~20 kHz)
	0.015% at half power (1 kHz)
Intermodulation distortion	0.1%
Damping factor	60 (8 ohms)
Input sensitivity and impedance	
PHONO 1, 2	2.5mV/25,50, 100 kilohms
AUX TAPE 1, 2 PLAYBACK	200mV/50 kilohms
PHONO maximum input voltage (1 kHz, RMS)	250mV
S/N (IHF, A) PHONO	78 dB
AUX	95 dB
Frequency response	
PHONO	RIAA standard curve ±0.2 dB
AUX	20 Hz~20 kHz, +0 dB, −0.3 dB
Tone controls BASS	50 Hz, +12 dB~−12 dB
TREBLE	10 kHz, +10 dB~−10 dB
Turnover frequency BASS	250 Hz, 500 Hz
TREBLE	2.5 kHz, 5 kHz
Loudness control (volume at −30 dB)	50 Hz, +10 dB
High filter	7 kHz, −12 dB/oct.
Low filter	30 Hz, −12 dB/oct.
Muting	−20 dB
Output voltage TAPE 1, 2 REC OUT	200mV
Load impedance MAIN or REMOTE	4~16 ohms
MAIN + REMOTE	8~16 ohms

FM TUNER SECTION

Frequency range				88~108 MHz
Sensitivity				10.3 dBf
				1.8μV (IHF '58)
50 dB quieting sensitivity	**MONO**	12.8 dBf		2.4μV (IHF '58)
	STEREO	35.7 dBf		33.4μV (IHF '58)
Total harmonic distortion				
MONO	100Hz 0.1%,	1kHz 0.1%,	6kHz 0.2%	
STEREO	100Hz 0.15%,	1kHz 0.15%,	6kHz 0.4%	
S/N (HI-LAG)	**MONO** 85 dB	**STEREO**	75 dB	
Frequency response				
CONST	20 Hz~18 kHz,		+0.2 dB, −0.8 dB	
HI-LAG	20 Hz~15 kHz,		+0.2 dB, −0.8 dB	
Alternate channel selectivity			80 dB	
Capture ratio			1.0 dB	
Image rejection at 98 MHz			85 dB	
IF rejection at 98 MHz			100 dB	
Spurious response rejection at 98 MHz			100 dB	
AM suppression			60 dB	
Stereo separation				
1 kHz	45 dB	**10 kHz**	38 dB	
Leak carrier (HI-LAG)			−65 dB	

AM TUNER SECTION

Frequency range	525~1605 kHz
Sensitivity	30μV, 250μV/m
Selectivity	22 dB
Image rejection at 1000 kHz	47 dB
IF rejection at 1000 kHz	40 dB

GENERAL

Power consumption	430W(only for America)
	820VA(only for Canada)
Power supply	AC 120V 60 Hz
Dimensions (W x H x D)	23⅝" x 7⅜" x 19⅛"
	(590 x 180 x 493)mm
Weight	58.4 lb. (26.5 kg)

Weights and dimensions shown are approximate.

Technics by Panasonic

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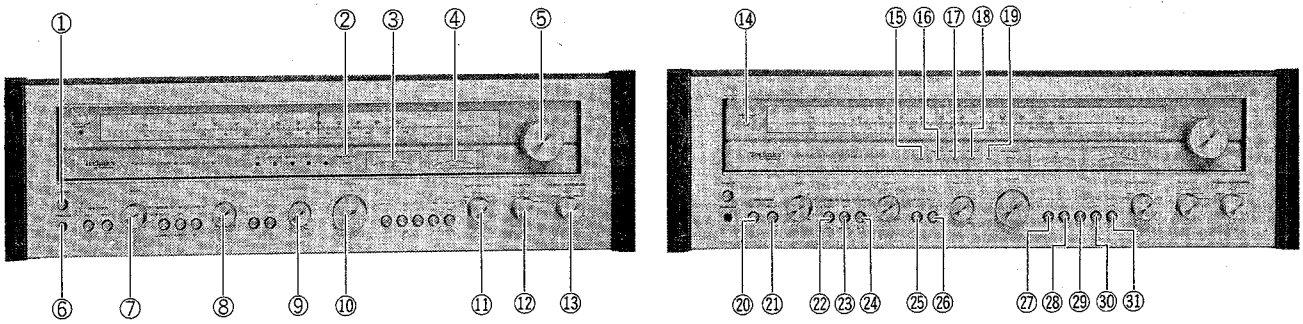
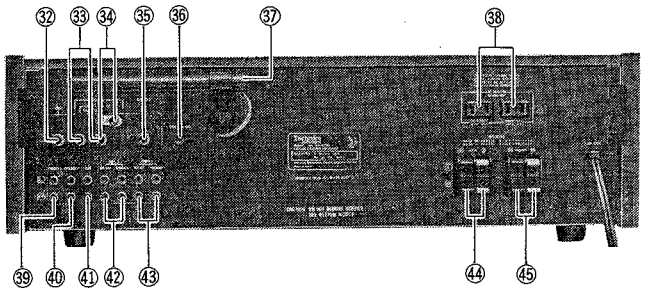
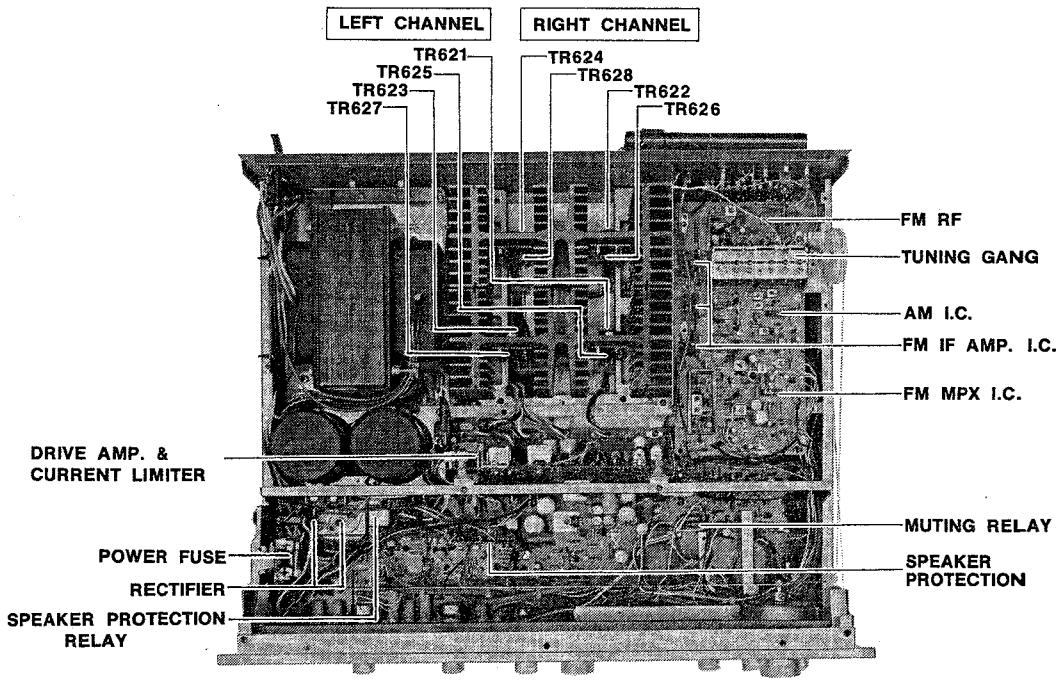
■ LOCATION OF CONTROLS



① POWER SWITCH
② FM STEREO INDICATOR
③ FM CENTER-TUNING METER
④ FM/AM SIGNAL STRENGTH METER
⑤ TUNING CONTROL
⑥ HEADPHONES JACK
⑦ BASS CONTROL
⑧ TREBLE CONTROL
⑨ BALANCE CONTROL
⑩ VOLUME CONTROL
⑪ TAPE MONITOR SELECTOR SWITCH
⑫ INPUT SELECTOR SWITCH
⑬ PHONO IMPEDANCE SWITCH
⑭ OVER LOAD ALARM INDICATOR
⑮ AM FUNCTION INDICATOR
⑯ FM AUTO FUNCTION INDICATOR
⑰ PHONO 1 FUNCTION INDICATOR
⑱ PHONO 2 FUNCTION INDICATOR
⑲ AUX FUNCTION INDICATOR
⑳ MAIN SPEAKER SWITCH
㉑ REMOTE SPEAKER SWITCH
㉒ TURNOVER(BASS) SWITCH
㉓ TONE DEFEAT SWITCH
㉔ TURNOVER(TREBLE) SWITCH
㉕ LOW FILTER SWITCH
㉖ HIGH FILTER SWITCH
㉗ LOUDNESS SWITCH
㉘ AUDIO MUTING SWITCH
㉙ FM MUTING
㉚ DELAY TIME SWITCH
㉛ MODE SWITCH



㉜ GROUND TERMINAL
㉝ 300Ω FM ANTENNA TERMINALS
㉞ 75Ω FM ANTENNA TERMINALS
㉟ AM ANTENNA TERMINAL
㊱ FM 4CHANNEL MPX OUTPUT TERMINAL
㊲ AM ANTENNA COIL
㊳ AC OUTLETS
㊴ PHONO 1 INPUT TERMINALS
㊵ PHONO 2 INPUT TERMINALS
㊶ AUX INPUT TERMINALS
㊷ TAPE DECK 2 CONNECTION TERMINALS
㊸ TAPE DECK 1 CONNECTION TERMINALS
㊹ MAIN SPEAKER TERMINALS
㊺ REMOTE SPEAKER TERMINALS



■ ALIGNMENT INSTRUCTIONS

POWER SUPPLY ALIGNMENT

1. Maintain line voltage at 120 volts.
2. Connect DC VTVM to **TP3**, common to chassis.
3. Adjust **VR701** to negative 40 volts. (—40 V)

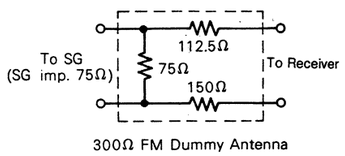
MAIN AMPLIFIER ALIGNMENT

Notes:
1. The "Icq" adjustment should be started about 5 minutes after setting the power switch to the ON position.
2. Speakers switch to OFF position.

	CIRCUIT	DC VTVM CONNECTION	ADJUSTMENT POINTS	REMARKS
2	DC UNBALANCE	Connect DC VTVM between point Ⓥ and point Ⓦ (Left Channel), point Ⓥ and point Ⓩ (Right Channel).	VR601 (Left Channel) VR602 (Right Channel)	Make sure that DC VTVM becomes 0mV.
3	Icq (POWER AMPLIFIER CURRENT)	Connect DC VTVM between point Ⓦ and point Ⓧ (Left Channel), point Ⓨ and point Ⓩ (Right Channel).	VR603 (Left Channel) VR604 (Right Channel)	Make adjustment so that the indication on DC VTVM becomes 7mV.

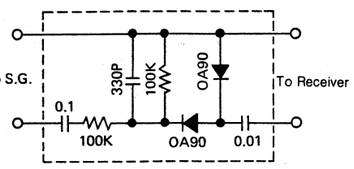
Notes:
1. Muting switch ..... OdB
2. INPUT selector switch ..... AM (AM ALIGNMENT)
   FM AUTO (FM ALIGNMENT)
3. 300Ω FM dummy antenna ..... Refer to fig. 1
4. Speaker switch ..... ON
5. FM muting switch ..... OFF
6. Tape monitor selector switch ..... SOURCE
7. Mode switch ..... MONO
8. Maintain line voltage at 120 volts.
9. Output of signal generator should be no higher than necessary to obtain an output reading.

	SIGNAL GENERATOR or SWEEP GENERATOR CONNECTION	SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY	DIAL SETTING (DISTANCE)	INDICATOR (VTVM or SCOPE) (DISTORTION METER)	ADJUSTMENT POINTS	REMARKS
	AM ALIGNMENT					
4	High side through 0.001μF to **AM** antenna trimmer terminal. Common to chassis.	455kHz	Point of non-inter-ference	Connect vertical amplifier of scope to **TP1** through 0.1μF.	T2 (1st IFT) T3 (2nd IFT) L7 (3rd IFT)	Adjust for maximum amplitude and proper linearity.
5	Fashion loop of several turns of wire and radiate signal into loop of tuner.	600kHz (30% Mod. with 400Hz)	600kHz (9/32") (17.9mm)	Connect VTVM or scope to speaker terminal of receiver.	L6 (OSC Coil) L8 (ANT Coil)	Adjust for maximum output, Adjust ferrite core of L8 by screw driver.
6	Fashion loop of several turns of wire and radiate signal into loop of tuner.	1500kHz (30% Mod. with 400Hz)	1500kHz (7/32") (191.4mm)	Connect VTVM or scope to speaker terminal of receiver.	CT6 (OSC Trimmer) CT5 (ANT Trimmer)	Adjust for maximum output. Repeat steps (5) and (6).
	FM IF ALIGNMENT					
7	High side through 0.001μF to **TP4**, Common to chassis.	10.7MHz	Point of non-inter-ference	Connect vertical amplifier of scope to **TP101** through detector. (Refer to fig. 2)	T1 (FM IFT)	Adjust for maximum amplitude and proper linearity.
8		No Signal	Point of non-inter-ference	Center tuning meter of set.	T101 (DISCRI IFT)(B) Green Core	Adjust for center position of center tuning meter.
	FM RF ALIGNMENT					
9	Connect to FM antenna terminal through FM dummy antenna.	90MHz (100% Mod. with 400Hz)	90MHz (1 1/16") (28.5mm)	Connect VTVM or scope to speaker terminal of receiver.	L5 (OSC Coil) L4 (DET Coil) 2 L3 (DET Coil) 1 L2 (ANT Coil)	Adjust for maximum output.
10	Connect to FM antenna terminal through FM dummy antenna.	106MHz (100% Mod. with 400Hz)	106MHz (7/8") (181.7mm)	Connect VTVM or scope to speaker terminal of receiver.	CT4 (OSC Trimmer) CT3 (DET Trimmer) 2 CT2 (DET Trimmer) 1 CT1 (ANT Trimmer)	Adjust for maximum output. Repeat steps (9) and (10).
	FM MONO DISTORTION ALIGNMENT					
11	Connect to FM antenna terminal through FM dummy antenna.	100MHz (100% Mod. with 400Hz)	100MHz	Connect distortion meter to speaker terminal of receiver.	T101 (DISCRI IFT)(A) Orange Core	Adjust for minimum Distortion meter indication.



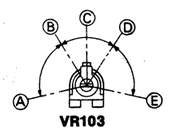
300Ω FM Dummy Antenna

Fig. 1



DETECTOR

Fig. 2



VR103

A—B, D—E: Stereo OFF Position.
B—D: Stereo ON Position (Indicator Lighting).
C: Adjust Point of Pilot Circuit.

Fig. 3

	SIGNAL GENERATOR CONNECTION	SIGNAL GENERATOR FREQUENCY	DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT POINTS	REMARKS
	FM SIGNAL METER ALIGNMENT					
12	Connect to FM antenna terminal through FM dummy antenna.	100MHz (30% Mod. with 400Hz)	100MHz	Signal meter of set	T102 (MUTING & METER IFT)	Adjust for maximum indication
13	Apply 19dB (9μV) to set.			Connect DC VTVM to **TP102** Common to chassis.	T103 (MUTING IFT)	Adjust for maximum meter indication. (about 1.5V~2.0V)
14	Apply 100dB (0.1V) to set.			Signal meter of set.	VR101 (METER ADJ)	Adjust VR101 for about 4.7 point of signal meter indication
	FM MUTING ALIGNMENT					
15	Connect to FM antenna terminal through FM dummy antenna. Apply 19 dB (9μV) to set.	100MHz (100% Mod. with 400Hz)	100MHz	Connect VTVM or scope to speaker terminal.	VR102 (MUTING ADJ)	Adjust so that output can be obtained.
	FM MPX PILOT ALIGNMENT					
16	Using a frequency counter ① 98MHz Non-modulated mono signal applied to set. ② Muting switch to "on" ③ Connect frequency counter to **TP103** through resistor (100kΩ). ④ Adjust **VR103** to 19kHz ±30Hz.			Using alternate system ① Apply stereo signal from generator or stereo station to receiver. ② Adjust **VR103** until stereo indicator lights up. Cement arm of **VR103** as shown in fig. 3.		
	STEREO SEPARATION ALIGNMENT					
17	FM antenna terminal through dummy antenna.	L (and R) 30% Modulation.		Connect VTVM or scope to speaker terminals through low pass filter. Refer to fig. 4	VR104	Adjust for minimum right (and left) output.

Note: 1. Stereo modulator ..... Connect stereo modulator output to EXT. MOD. terminal of signal generator.
Internal OSC ..... 1kHz Pilot signal modulation 10%
2. Signal generator ..... Frequency approximately 98MHz. Output level 72 dB (IHF). Modulation mode to FM.
3. Band selector switch ..... FM AUTO 4. Mode switch ..... STEREO

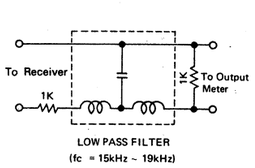
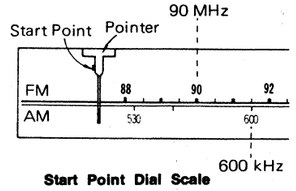
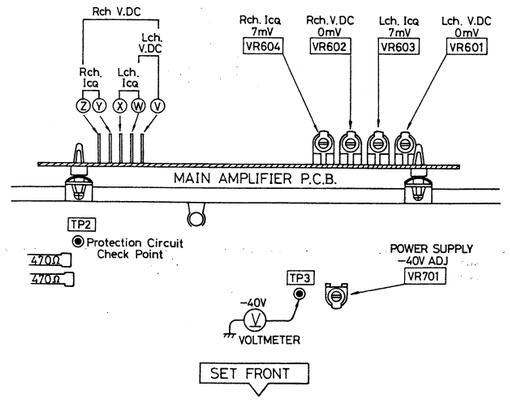


Fig. 4

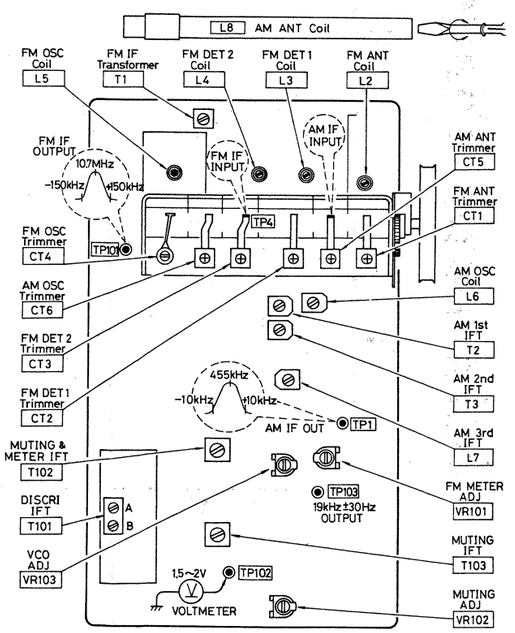


Start Point Dial Scale

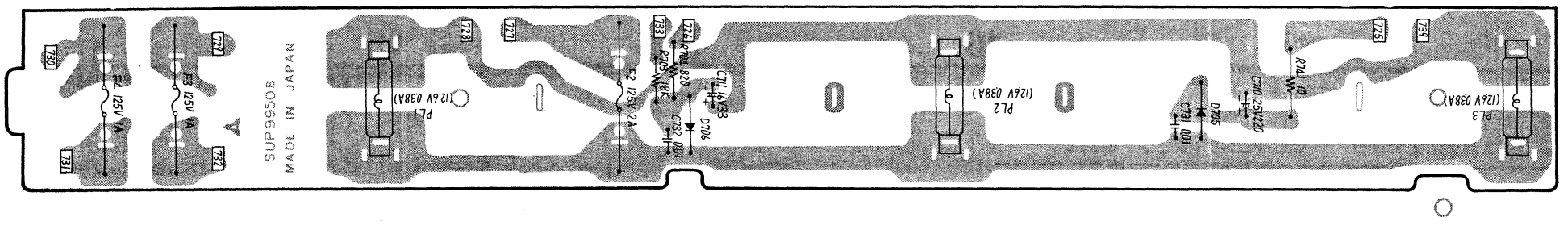
Fig. 5



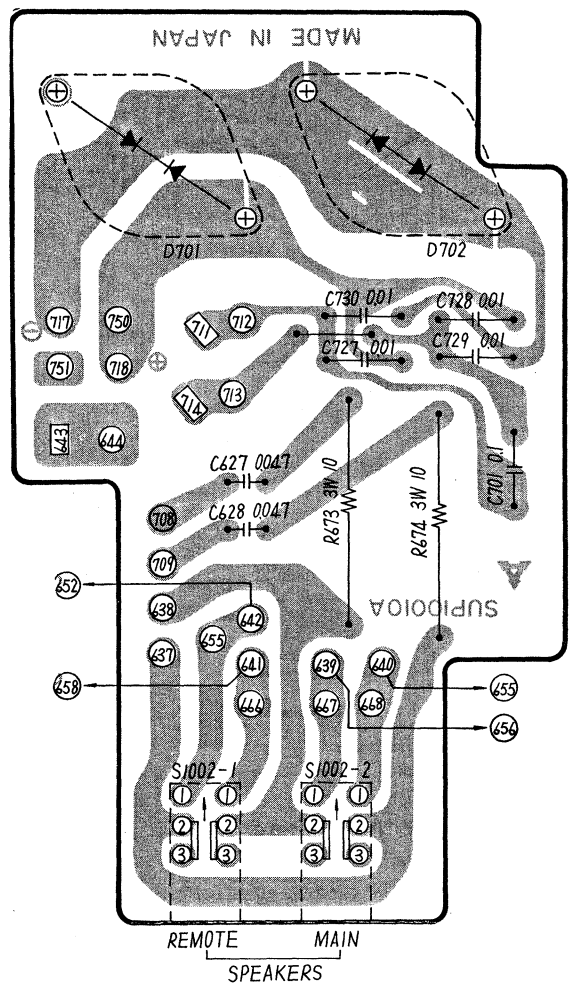
• Alignment Points

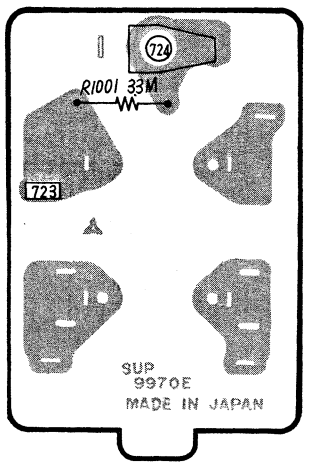


■ DIAL LIGHT & POWER SUPPLY OF FUNCTION INDICATOR CIRCUIT BOARD

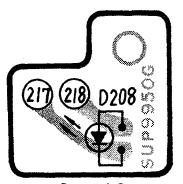


■ POWER SUPPLY OF POWER AMPLIFIER & SPEAKERS SWITCH CIRCUIT BOARD



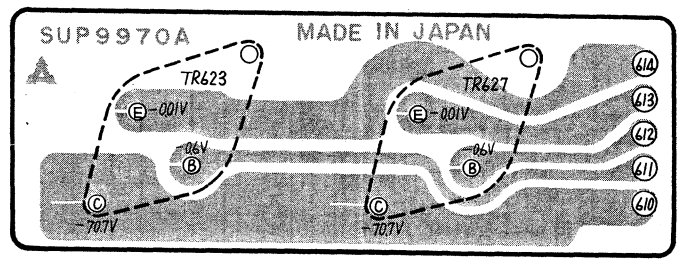


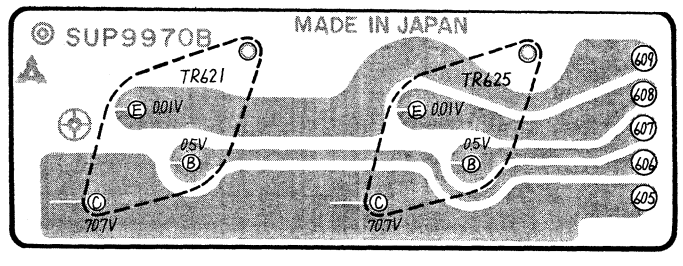
■ OVERLOAD ALARM INDICATOR CIRCUIT BOARD



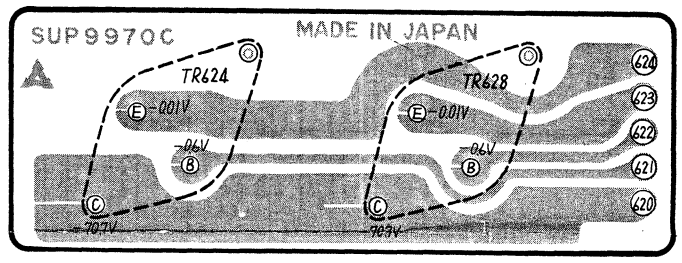
■ POWER AMPLIFIER CIRCUIT BOARDS

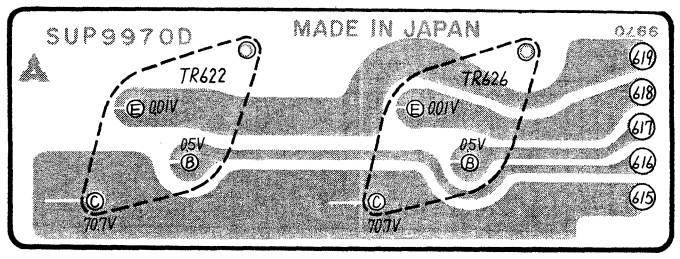
● **Left Channel Amplifier**



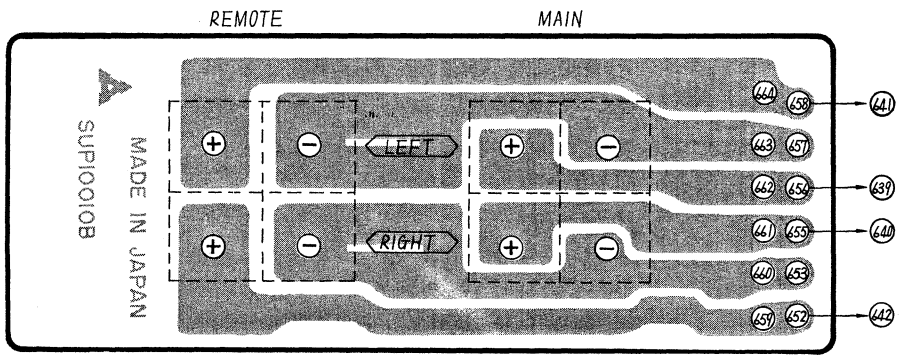


● **Right Channel Amplifier**

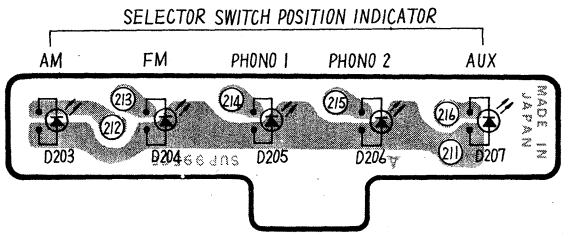




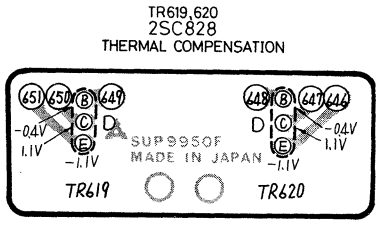
■ SPEAKERS TERMINAL CIRCUIT BOARD



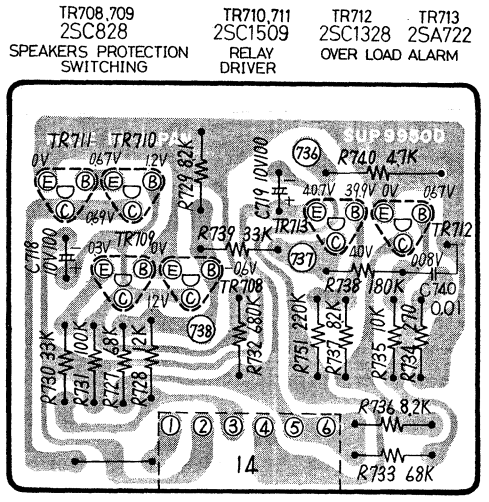
■ FUNCTION INDICATOR CIRCUIT BOARD



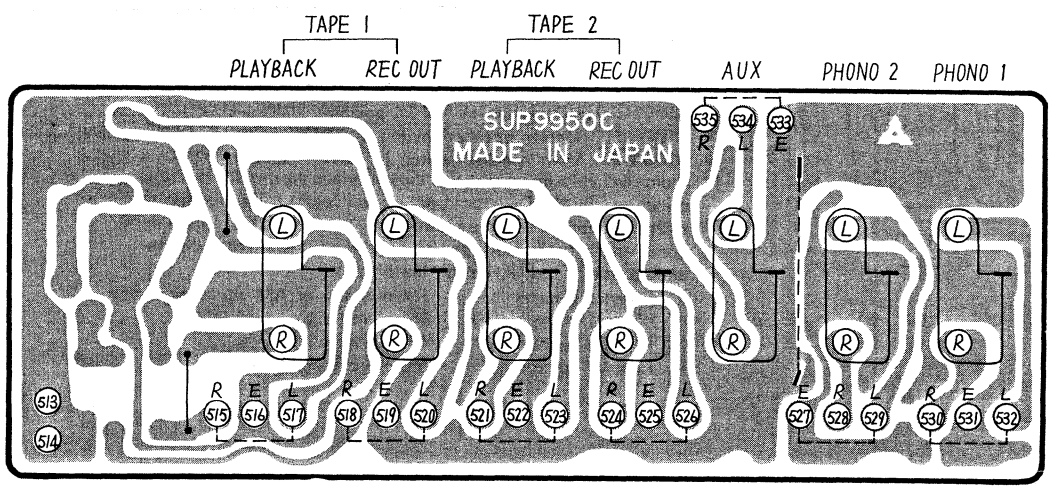
■ POWER AMPLIFIER THERMAL COMPENSATION CIRCUIT BOARD



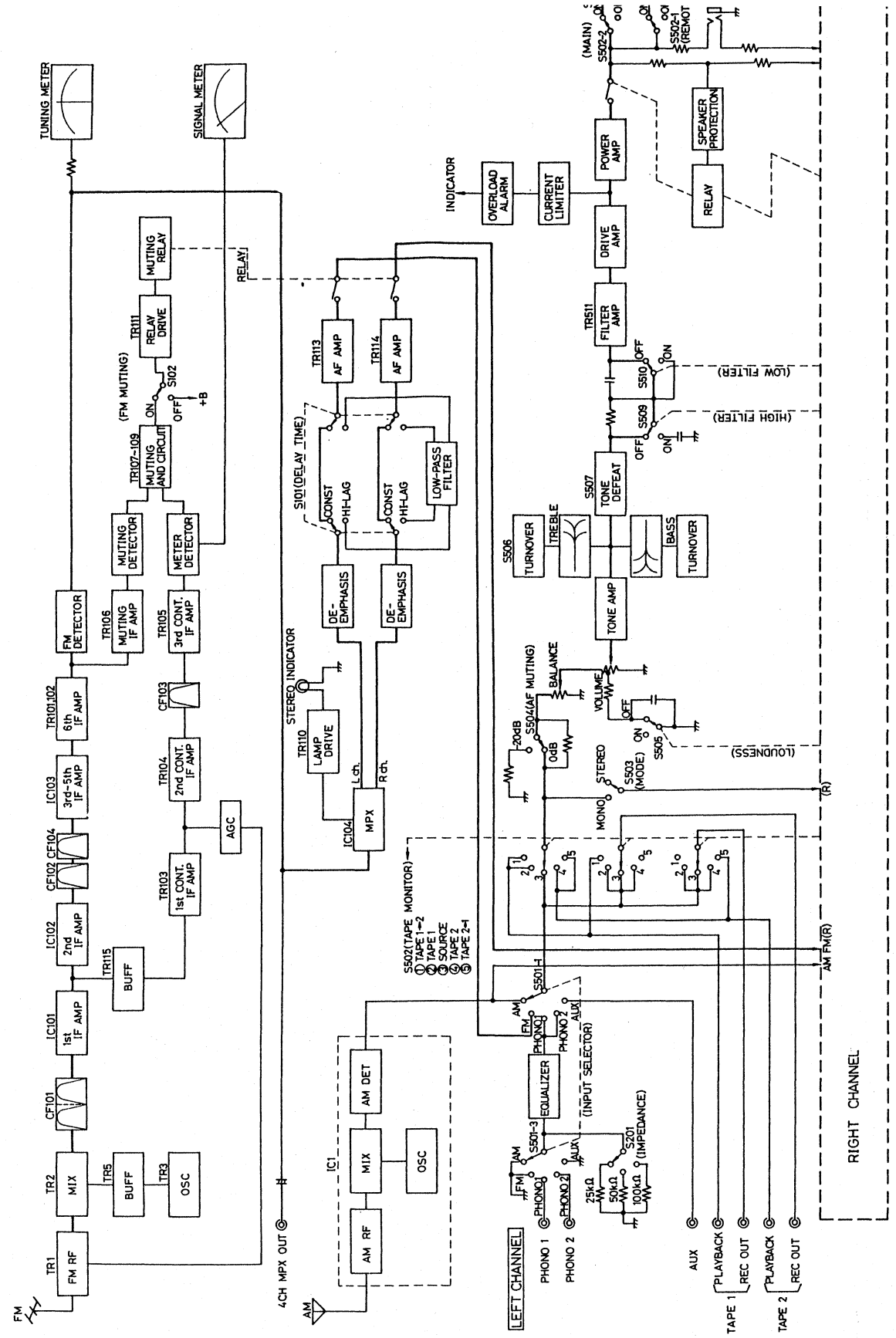
■ SPEAKER PROTECTION CIRCUIT BOARD

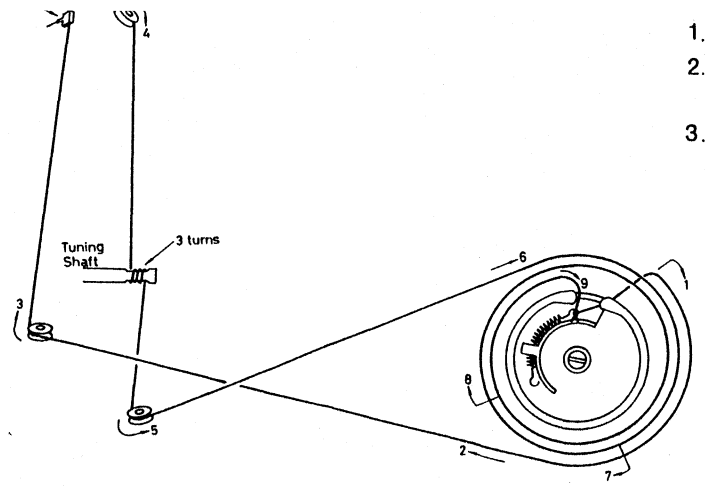


■ INPUT & TAPE DECK CONNECTION TERMINAL CIRCUIT BOARD



■ BLOCK DIAGRAM

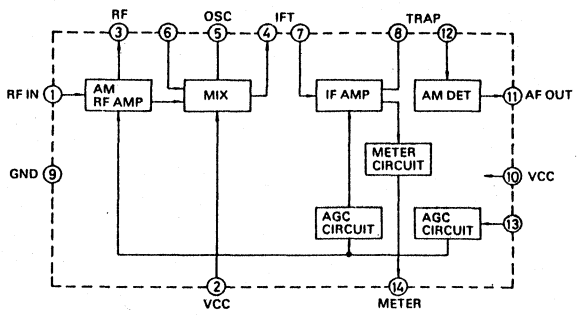




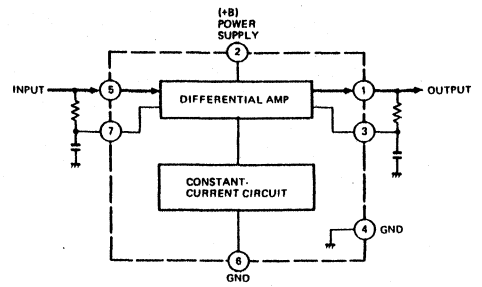
1. Dial cord length is 90 5/8" (230cm).
2. Tuning gang is positioned at maximum capacity. (Frequency is minimum)
3. Arrow marks (1 ~ 9) indicated correct order and direction of stringing dial cord.

■ BLOCK DIAGRAM OF INTEGRATED CIRCUITS

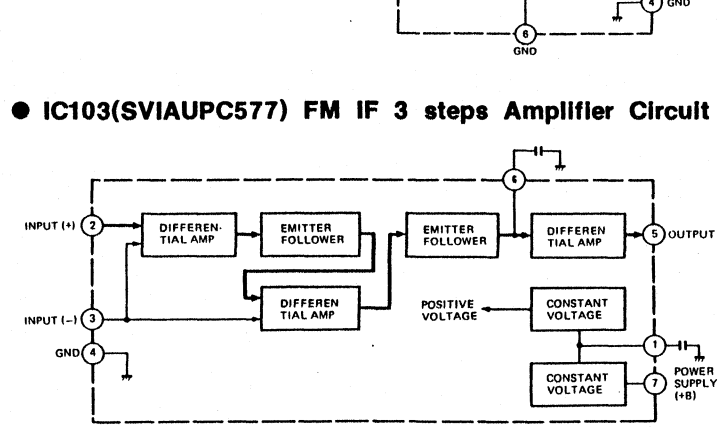
● IC 1 (SVIHA1151)
AM RF, IF Amplifier & Detector Circuit



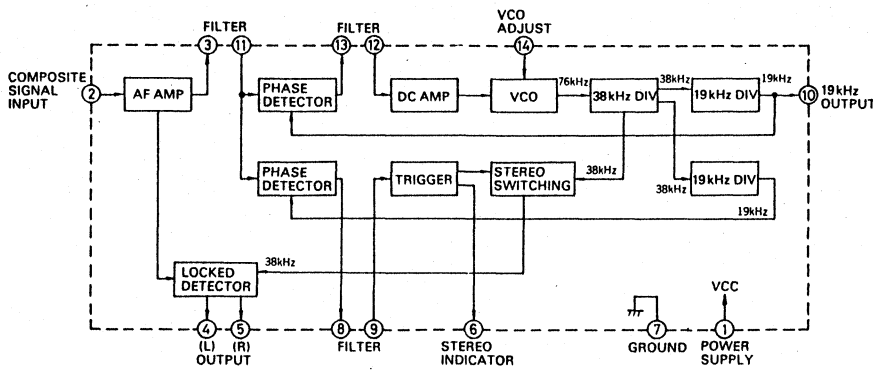
● IC101, 102(SVIAUPC555)
FM IF Amplifier Circuit



● IC103(SVIAUPC577) FM IF 3 steps Amplifier Circuit



● IC104(SVIHA1156)
FM Multiplex Circuit



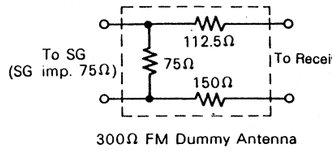
■ PC BOARDS

■ FINAL COMPENSATION

■ CIRCUIT BOARD

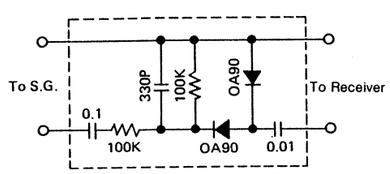
■ ALIGNMENT INSTRUCTIONS

	POWER SUPPLY ALIGNMENT				
1	1. Maintain line voltage at 120 volts. 2. Connect DC VTVM to **TP3**, common to chassis. 3. Adjust **VR701** to negative 40 volts. (–40 V)				
	MAIN AMPLIFIER ALIGNMENT				
	Notes: 1. The "Icq" adjustment should be started about 5 minutes after setting the power switch to the ON position. 2. Speakers switch to OFF position.				
	CIRCUIT	DC VTVM CONNECTION		ADJUSTMENT POINTS	REMARKS
2	DC UNBALANCE	Connect DC VTVM between point Ⓥ and point Ⓦ (Left Channel), point Ⓥ and point Ⓩ (Right Channel).		VR601 (Left Channel) VR602 (Right Channel)	Make sure that DC VTVM becomes 0mV.
3	Icq (POWER AMPLIFIER CURRENT)	Connect DC VTVM between point Ⓦ and point Ⓧ (Left Channel), point Ⓨ and point Ⓩ (Right Channel).		VR603 (Left Channel) VR604 (Right Channel)	Make adjustment so that the indication on DC VTVM becomes 7mV.
	Notes: 1. Muting switch ..... OdB 2. INPUT selector switch ..... AM (AM ALIGNMENT) FM AUTO (FM ALIGNMENT) 3. 300Ω FM dummy antenna ..... Refer to fig. 1 4. Speaker switch ..... ON 5. FM muting switch ..... OFF		6. Tape monitor selector switch ..... SOURCE 7. Mode switch ..... MONO 8. Maintain line voltage at 120 volts. 9. Output of signal generator should be no higher than necessary to obtain an output reading.		
	SIGNAL GENERATOR or SWEEP GENERATOR		DIAL SETTING (DISTANCE)	INDICATOR (VTVM or SCOPE) (DISTORTION METER)	ADJUSTMENT POINTS	REMARKS
	CONNECTION	FREQUENCY				
	AM ALIGNMENT					
4	High side through 0.001μF to **AM** antenna trimmer terminal. Common to chassis.	455kHz	Point of non-inter-ference	Connect vertical amplifier of scope to **TP1** through 0.1μF.	T2 (1st IFT) T3 (2nd IFT) L7 (3rd IFT)	Adjust for maximum amplitude and proper linearity.
5	Fashion loop of several turns of wire and radiate signal into loop of tuner.	600kHz (30% Mod. with 400Hz)	600kHz (6⅜") (17.9mm)	Connect VTVM or scope to speaker terminal of receiver.	L6 (OSC Coil) L8 (ANT Coil)	Adjust for maximum output, Adjust ferrite core of L8 by screw driver.
6	Fashion loop of several turns of wire and radiate signal into loop of tuner.	1500kHz (30% Mod. with 400Hz)	1500kHz (7⅝") (191.4mm)	Connect VTVM or scope to speaker terminal of receiver.	CT6 (OSC Trimmer) CT5 (ANT Trimmer)	Adjust for maximum output. Repeat steps (5) and (6).
	FM IF ALIGNMENT					
7	High side through 0.001μF to **TP4**, Common to chassis.	10.7MHz	Point of non-inter-ference	Connect vertical amplifier of scope to **TP101** through detector. (Refer to fig. 2)	T1 (FM IFT)	Adjust for maximum amplitude and proper linearity.
8		No Signal	Point of non-inter-ference	Center tuning meter of set.	T101 (DISCRI IFT)(B) Green Core	Adjust for center position of center tuning meter.
	FM RF ALIGNMENT					
9	Connect to FM antenna terminal through FM dummy antenna.	90MHz (100% Mod. with 400Hz)	90MHz (1 ¼") (28.5mm)	Connect VTVM or scope to speaker terminal of receiver.	L5 (OSC Coil) L4 (DET Coil) 2 L3 (DET Coil) 1 L2 (ANT Coil)	Adjust for maximum output.
10	Connect to FM antenna terminal through FM dummy antenna.	106MHz (100% Mod. with 400Hz)	106MHz (7⅛") (181.7mm)	Connect VTVM or scope to speaker terminal of receiver.	CT4 (OSC Trimmer) CT3 (DET Trimmer) 2 CT2 (DET Trimmer) 1 CT1 (ANT Trimmer)	Adjust for maximum output. Repeat steps (9) and (10).
	FM MONO DISTORTION ALIGNMENT					
11	Connect to FM antenna terminal through FM dummy antenna.	100MHz (100% Mod. with 400Hz)	100MHz	Connect distortion meter to speaker terminal of receiver.	T101 (DISCRI IFT)(A) Orange Core	Adjust for minimum Distortion meter indication.

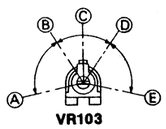


300Ω FM Dummy Antenna

Fig. 1



DETECTOR

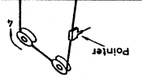


VR103

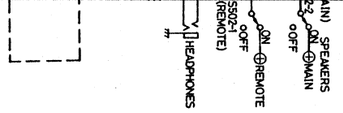
A–B, D–E: Stereo OFF Position.
B–D: Stereo ON Position (Indicator Lighting).
C: Adjust Point of Pilot Circuit.

Fig. 3

■ DIAL CORD INSTALLATION GUIDE



1. Dial cord length is 90 ⅝" (230cm).
2. Tuning gang is positioned at maximum capacity.



	SIGNAL GENERATOR CONNECTION	SIGNAL GENERATOR FREQUENCY	DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT POINTS	REMARKS
	FM SIGNAL METER ALIGNMENT					
12	Connect to FM antenna terminal through FM dummy antenna.	100MHz (30% Mod. with 400Hz)	100MHz	Signal meter of set	T102 (MUTING & METER IFT)	Adjust for maximum indication
13	Apply 19dB (9μV) to set.			Connect DC VTVM to **TP102** Common to chassis.	T103 (MUTING IFT)	Adjust for maximum meter indication. (about 1.5V~2.0V)
14	Apply 100dB (0.1V) to set.			Signal meter of set.	VR101 (METER ADJ)	Adjust VR101 for about 4.7 point of signal meter indication
	FM MUTING ALIGNMENT					
15	Connect to FM antenna terminal through FM dummy antenna. Apply 19 dB (9μV) to set.	100MHz (100% Mod. with 400Hz)	100MHz	Connect VTVM or scope to speaker terminal.	VR102 (MUTING ADJ)	Adjust so that output can be obtained.
	FM MPX PILOT ALIGNMENT					
16	Using a frequency counter ① 98MHz Non-modulated mono signal applied to set. ② Muting switch to "on" ③ Connect frequency counter to **TP103** through resistor (100kΩ). ④ Adjust **VR103** to 19kHz ±30Hz.			Using alternate system ① Apply stereo signal from generator or stereo station to receiver. ② Adjust **VR103** until stereo indicator lights up. Cement arm of **VR103** as shown in fig. 3.		
	STEREO SEPARATION ALIGNMENT					
	Note: 1. Stereo modulator ..... Connect stereo modulator output to EXT. MOD. terminal of signal generator. Internal OSC ..... 1kHz Pilot signal modulation ..... 10% 2. Signal generator ..... Frequency approximately 98MHz. Output level 72 dB (IHF). Modulation mode to FM. 3. Band selector switch ..... FM AUTO 4. Mode switch ..... STEREO					
	SIGNAL GENERATOR CONNECTION	STEREO MODULATOR MODE and MOD. RATE		INDICATOR (VTVM or SCOPE)	ADJUSTMENT POINT	REMARKS
17	FM antenna terminal through dummy antenna.	L (and R) 30% Modulation.		Connect VTVM or scope to speaker terminals through low pass filter. Refer to fig. 4	VR104	Adjust for minimum right (and left) output.

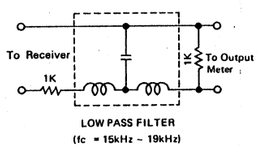
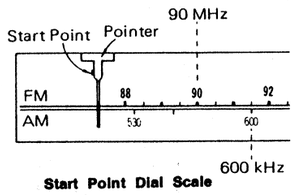
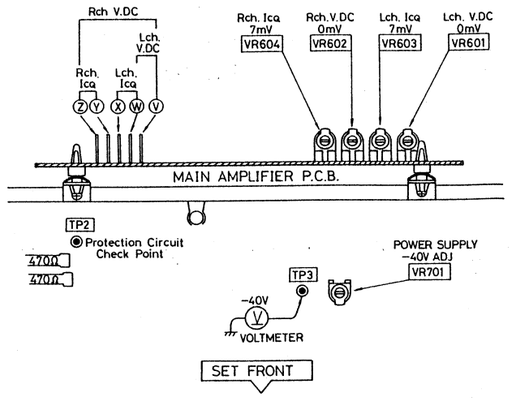


Fig. 4

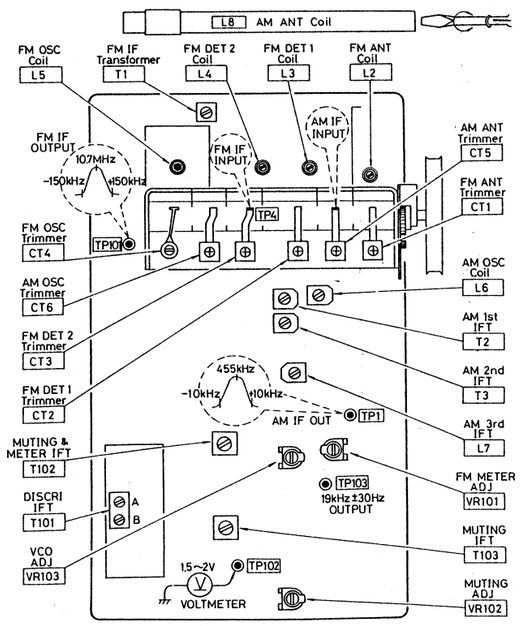


Start Point Dial Scale

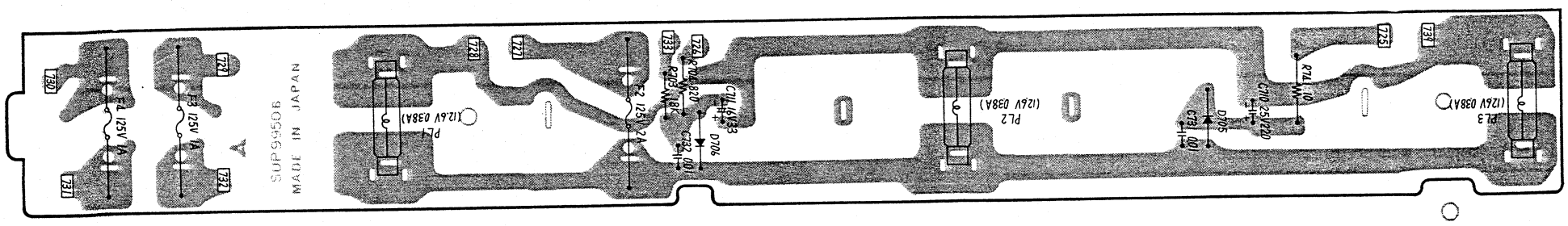
Fig. 5



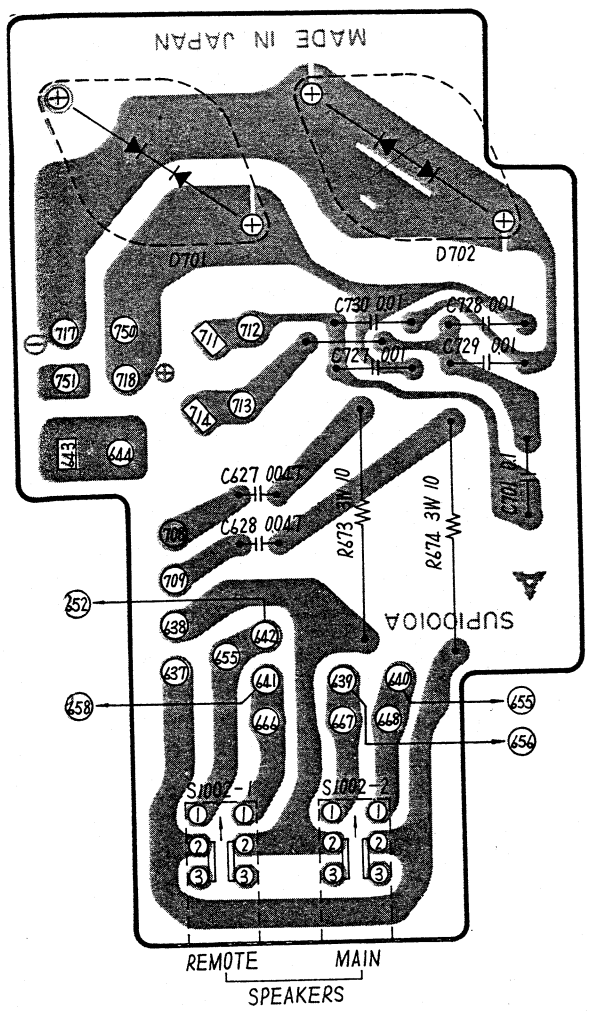
• Alignment Points



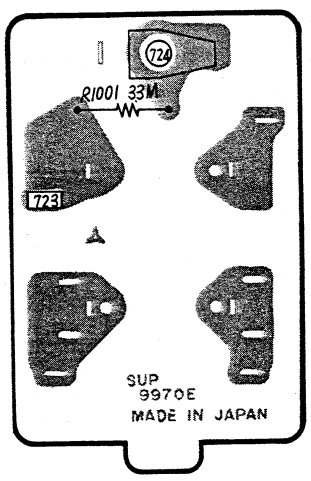
■ DIAL LIGHT & POWER SUPPLY OF FUNCTION INDICATOR CIRCUIT BOARD

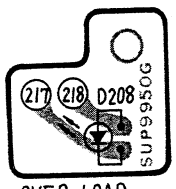


■ POWER SUPPLY OF POWER AMPLIFIER & SPEAKERS SWITCH CIRCUIT BOARD



■ OVERLOAD ALARM INDICATOR CIRCUIT BOARD

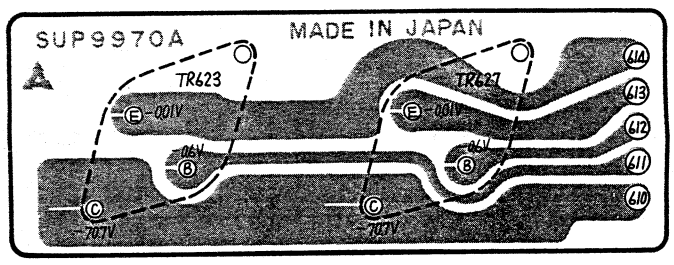


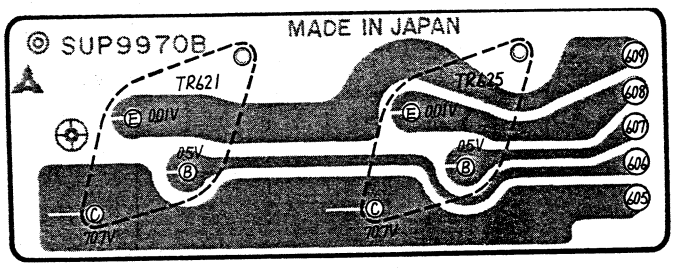


OVER LOAD ALARM INDICATOR

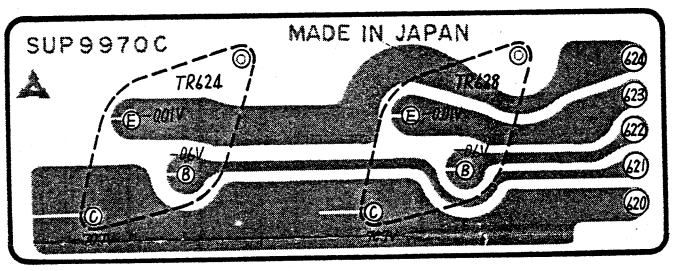
■ POWER AMPLIFIER CIRCUIT BOARDS

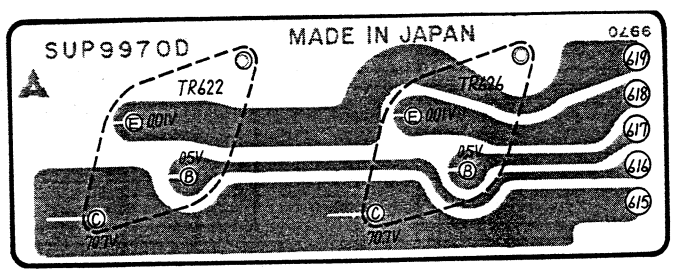
● **Left Channel Amplifier**





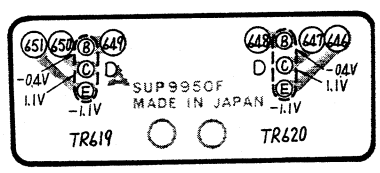
● **Right Channel Amplifier**



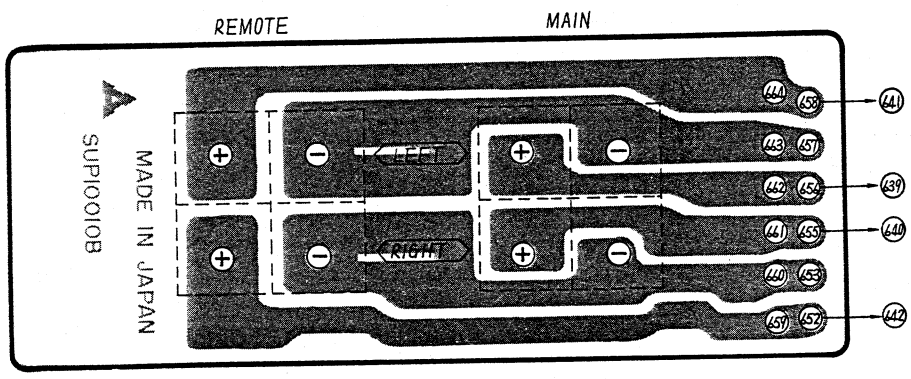


■ POWER AMPLIFIER THERMAL COMPENSATION CIRCUIT BOARD

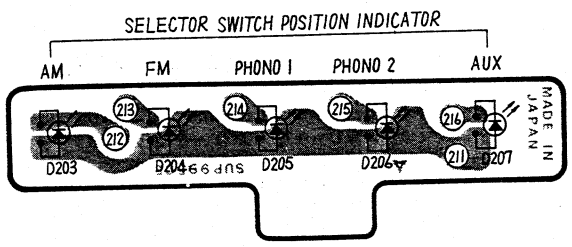
TR619,620
2SC828
THERMAL COMPENSATION



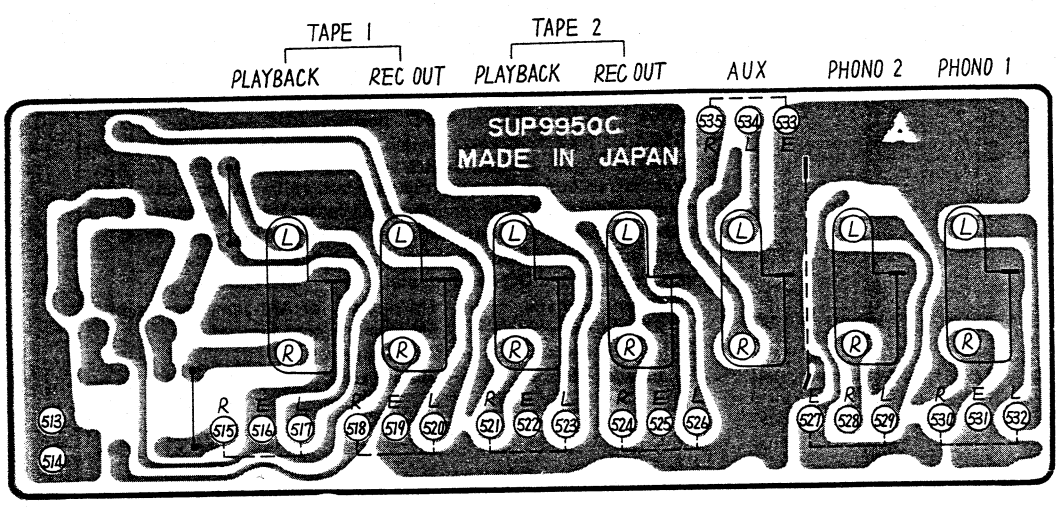
■ SPEAKERS TERMINAL CIRCUIT BOARD



■ FUNCTION INDICATOR CIRCUIT BOARD

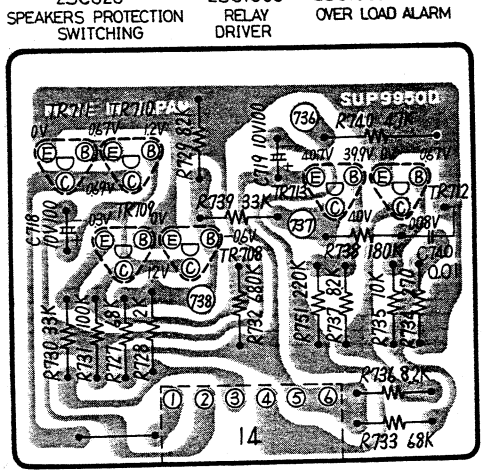


■ INPUT & TAPE DECK CONNECTION TERMINAL CIRCUIT BOARD



■ SPEAKER PROTECTION CIRCUIT BOARD

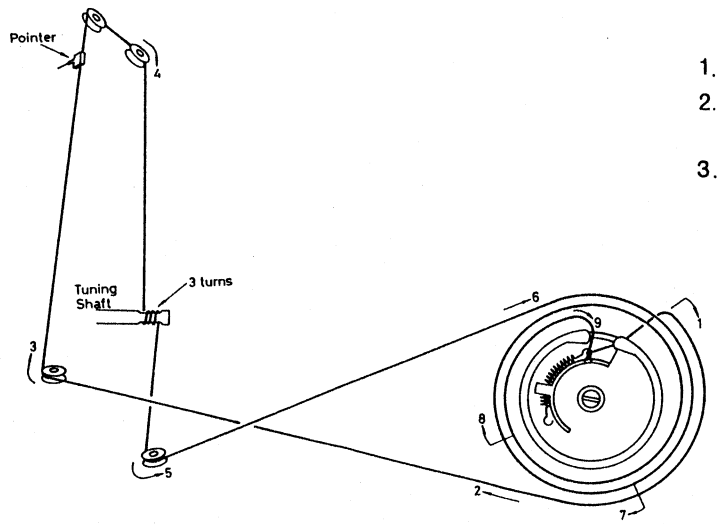
TR708,709 2SC828 SPEAKERS PROTECTION SWITCHING
TR710,711 2SC1509 RELAY DRIVER
TR712 2SC1328 OVER LOAD ALARM
TR713 2SA722



SIGNAL GENERATOR	DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT POINTS	REMARKS

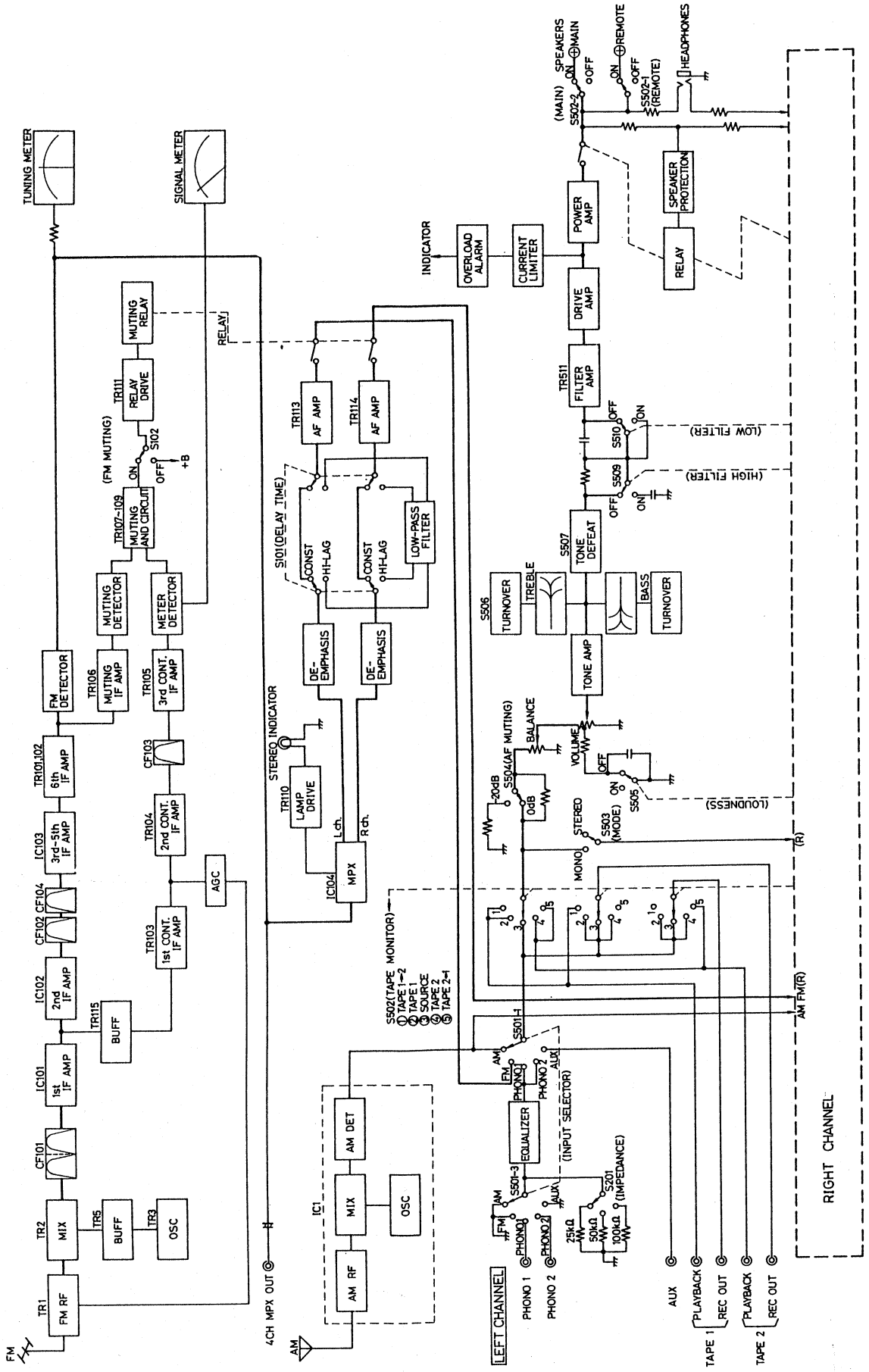
■ ALIGNMENT INSTRUCTIONS

■ DIAL CORD INSTALLATION GUIDE



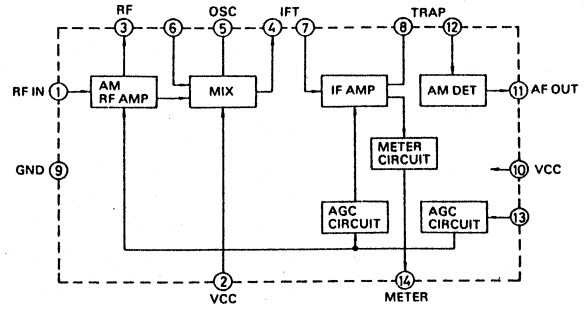
1. Dial cord length is 90 5/8" (230cm).
2. Tuning gang is positioned at maximum capacity. (Frequency is minimum)
3. Arrow marks (1 ~ 9) indicated correct order and direction of stringing dial cord.

■ BLOCK DIAGRAM

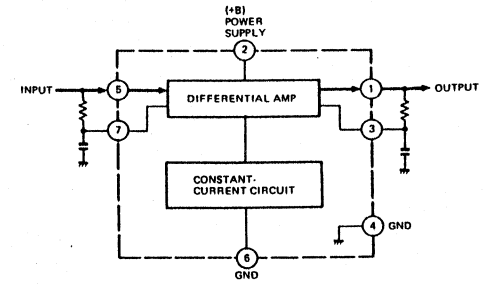


■ BLOCK DIAGRAM OF INTEGRATED CIRCUITS

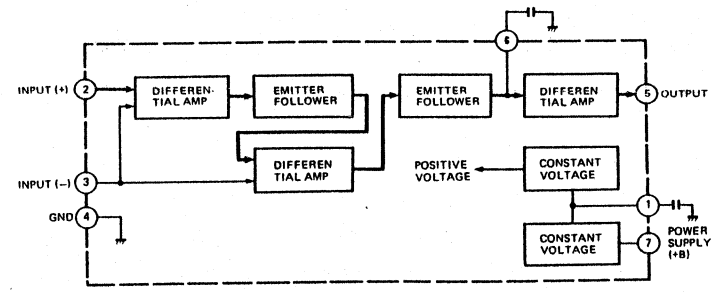
● IC 1 (SVIHA1151)
AM RF, IF Amplifier & Detector Circuit



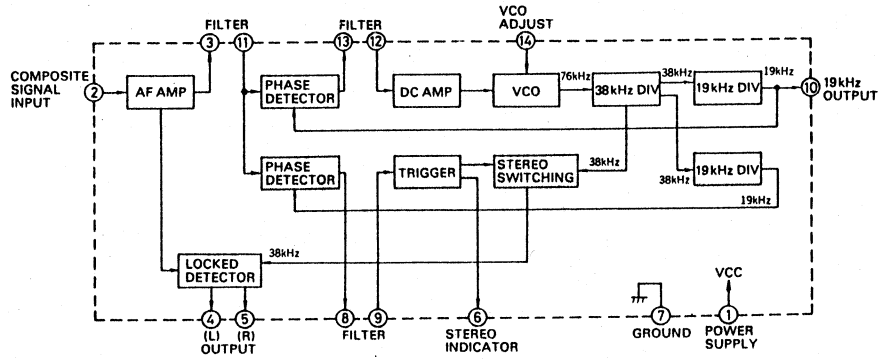
● IC101, 102(SVIAUPC555)
FM IF Amplifier Circuit



● IC103(SVIAUPC577) FM IF 3 steps Amplifier Circuit

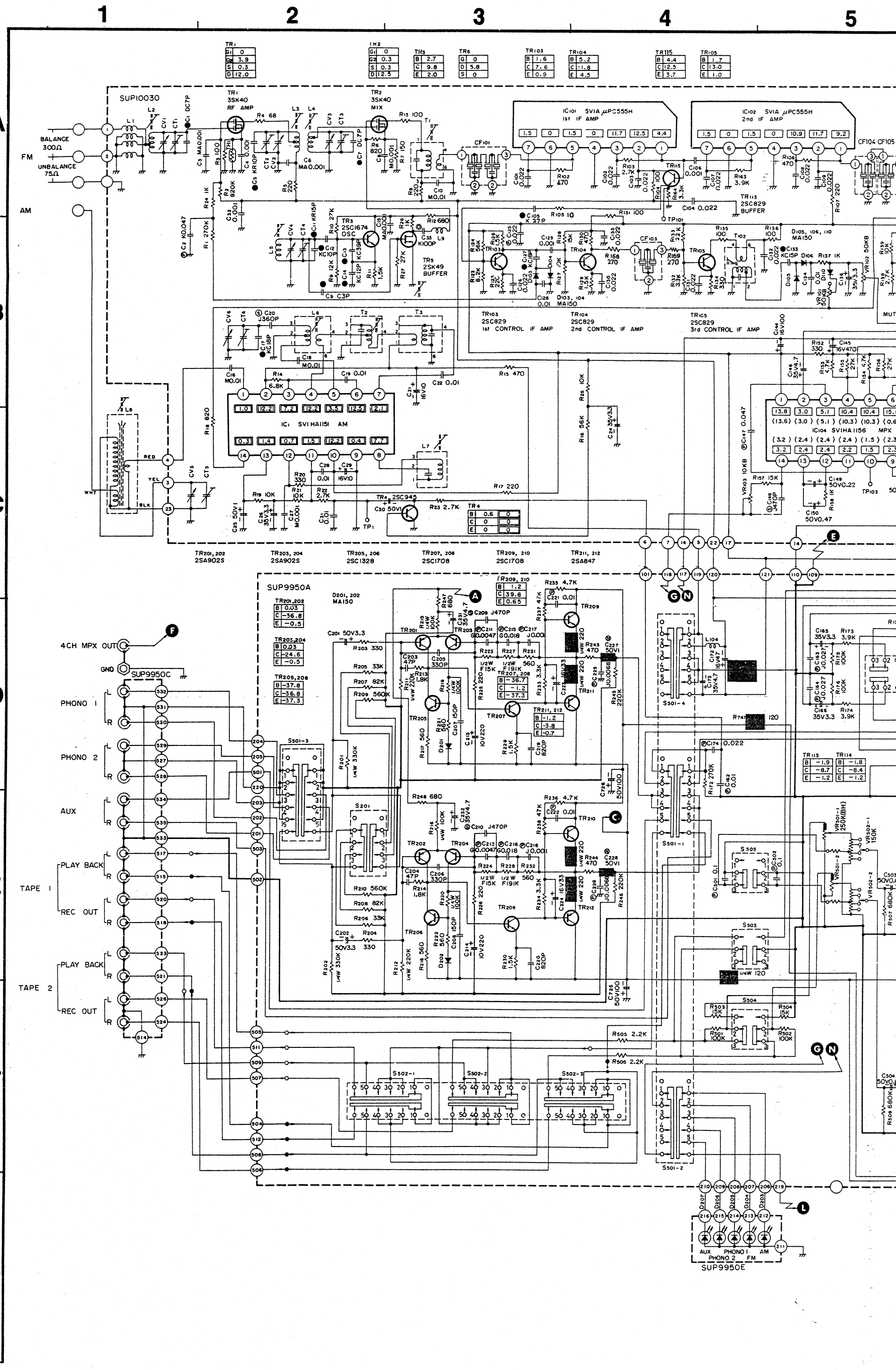


● IC104(SVIHA1156)
FM Multiplex Circuit



Schematic Diagram ····· Model SA-5770

(This schematic



tic diagram may be modified at any time with the development of new technology)

6 7 8 9 10 11

TR106 B 2.9 C 13.2 E 2.2

TR101 B 0 C 13.6 E 0 — 2.9 / 10.4 / 2.2

TR102 B 0 C 13.6 E 0 — 2.8 / 9.4 / 2.2

IC103 SVIA μPC577H 3rd~5th IF AMP

5.3 | 1.9 | 1.9 | 0 | 9.9 | 3.1 | 10.7

CF105 · T101 · D101 · D102 · R118 1K · R119 1K · Z101 · C123 0.01 · R122 330 · TUNING METER · SIGNAL METER · L102 · R120 330 · R115 100 · R116 220 · C116 0.01 · C121 K100P · C122 K220P · R108 470 · R110 470 · C110 0.022 · C111 0.022 · C113 56P · C114 0.022 · C115 0.022 · R111 220 · C112 KU10P · R109 220 · TR101 · TR102 · TR101, 102 2SC829 6th IF AMP · D101, 102 2-0A99 DETECTOR · R121 22K · C155 10V47 · R112 1.8K · R113 150 · R114 10K · C117 0.022 · C118 16V10 · R117 2.2K · R149 680 · TP102 · TR107 · TR109 · TR106 2SC829 MUTING CONTROL IF AMP · R150 56K · R139 10K · R141 100 · T103 · R142 220 · C139 0.022 · L103 · R139 2.7K · R140 10K · C137 0.022 · C138 0.001 · D108 · D107 · C140 0.01 · R143 4.7K · R145 56K · R146 4.7K · R166 15K · R148 4.7K · C119 0.01 · C124 10V100 · R165 5.6K · R144 10K · C141 50V1 · R147 4.7K · TR108 · D107, 108, 109 MA150 · TR107~109 2SC945 MUTING

TR109 B 0.9 (0.04) C 0.3 (9.3) E 0.2 (0.03)

TR107 B 0.8 (0.7) C 4.0 (0.1) E 1.3 (0.07)

TR108 B 0.04 (0.6) C 1.3 (0.07) E 0.2 (0.03)

C154 16V10 · R151 1K · TR110 2SA733 · TR111 2SC945 · R167 1/2W 220 · R161 22K · C153 0.01 · TR112 2SC945 · R160 15K · R159 27K · C152 16V33

TR111 B 0.3 — 0.7 / 0.07 — C 13.4 — 0 E 0

TR110 B 14.9 (5.1) C 0 (5.2) E 15.8 (5.8)

TR112 B 13.8 — 12.7 / C 16.0 — 15.2 / E 13.4 — 12.0

C151 50V0.22 · D109 · R162 220 · STEREO EYE 6.3V 40mA

TR601, 602 B 0 C -68.0 E 0.6

TR603, 604 B -68.8 C -2.4 E -69.3

TR605, 606 B 68.3 C 1.1 E 67.8

TR607, 608 B -64.5 C -1.1 E -69.6

TR601, 602 2SA798Ⓑ · TR603, 604 2SC1509 · TR605, 606 2SB536Ⓑ · TR607, 608 2SC1628Ⓜ

TR609, 610 2SC1509 · TR611, 612 2SC1573 · TR613, 614 2SA777

SUP9990

R685 1/2W 5.6K · C631 100V100 · D711 · R621 270 · D601 · R615 47K · VR601 100KB · R607 82K · TR601 · C605 7P · R603 1.2K · C601 50V1 · R601 560K · R605 100K · R609 2.7K · C603 220P · R611 15K · R613 3.3K · R629 25V33 3.9K · R633 3.9K · D603 · C633 J0.0039 · R622 270 · D602 · R616 47K · VR602 100KB · R608 82K · TR602 · C606 7P · R604 1.2K · C602 50V1 · R602 560K · R606 100K · R610 2.7K · C604 220P · R612 15K · R614 33K · R630 25V33 3.9K · R634 3.9K · D604 · C634 J0.0039 · C632 100V47 · R628 18K · TH602 · R627 270 · TH601 · R629 47K

R177 220 · TR113, 114 2SA733 · C167 50V3.3 · R185 4.7K · C169 50V1 · R191 560 · R181 100K · R193 4.7K · R179 10K · R182 10K · R187 470 · R189 10KB · VR104 · R180 10K · R184 10K · R188 470 · R190 100K · C168 50V3.3 · R186 4.7K · C170 50V1 · R192 560 · R178 220 · S101 · S102 · RLY 101 · L105 · R752 3.3K · C722 25V100 · C171 50V1

C515 16V4.7 · R537 6.8K · C517 820P · C519 820P · C525 12P · R545 47K · C527 18P · R555 22K · R559 470 · C529 J0.012 · C533 J0.012 · C537 50V1 · VR503-1 100KC · C521 J0.0056 · C523 J0.0056 · R539 100 · R543 1.8K · R551 6.8K · C531 J0.082 · R553 47K · R557 3.3K · C535 J0.082 · R547 6.8K · R561 220K · R595 8.2M · R597 8.2M · R585 8.2M · R587 9.2M · S506 · S507 · S508 · R586 8.2M · R588 8.2M · R554 8.2M · R596 8.2M

TR501~504 2SA902 · TR505, 506 2SC1328 · TR507, 508 2SC1318 · TR509, 510 2SA720 · C562 33P · C508 35V4.7 · C512 16V47 · R526 15K · R528 6.8K · R532 6.8K · R530 15K · TR508 · C514 16V33 · R534 390 1/4W · C310 50V1 · TR510 · R520 330 · R518 10K · C516 16V4.7 · R538 6.8K · C518 820P · C526 12P · R546 47K · C528 18P · R558 22K · R560 470 · C520 820P · VR503-2 100KC · C522 J0.0056 · C524 J0.0056 · R540 100 · R544 1.8K · R542 39K · R552 6.8K · C532 J0.082 · R554 47K · R556 3.3K · C530 J0.012 · C534 J0.012 · C536 J0.082 · R562 220K

TR501 B 0.06 C -20.6 E 0.6 · TR503,504 B 0.07 C -20.8 E 0.6 · TR505,506 B -20.6 C -1.8 E -21.2 · TR507,508 B 1.9 C 19.1 E 1.3 · TR509,510 B -1.9 C 1.4 E -1.3

19.0

TR511 · C543 J0.047 · C545 J0.039 · R573 1K · R563 10K · R567 22K · C547 50V0.68 · R577 1/4W 330K · C549 50V1 · R569 8.2M · C539 820P · R581 4.7K · R583 220K · C544 J0.0015 · R588 120K · R571 82K · S509 · S510 · TR511, 512 2SC1328 · R575 82K · R564 10K · R590 8.2M · R576 82K · R566 12K · R568 22K · C544 J0.047 · C548 50V0.68 · R574 1K · TR512 · C550 50V1 · R584 220K · C540 820P · C542 J0.0015 · R570 120K · R572 820K · R578 1/4W 330K · C546 50V0.68 · R582 4.7K

TR511,512 B -2.3 C 9.0 E -3.0

R743 D712 1/4W 820 · R744 1W 1K · C720 25V220 · C723 16V220 · D709 · R742 1/4W 2.2K · CZ21 25V220 · C724 35V100 · D710 · R741 2W 2.2K

R681 3W 470 · R682 3W 470 · R675 2W 3.3 · L601 · D717 · R723 33K · RLY 601 · TP2 · L602 · R676 2W 3.3 · R687 22K · R726 2W 1.2K · D713

SUP9970E · R1001 1/2W 3.3M · AC 120V · UNSWITCHED · SWITCHED · C1001 0.01 · C1002 0.01 · S1001 · BLK

TR708 B 0.6 C 1.2 E 0.7

TR709 B 0 C 1.2 E 0.3

TR710 B 1.20 C 0.69 E 0.67

TR711 B 0.67 C 0.69 E 0

TR708, 709 2SC828 · TR710, 711 2SC1509 · TR712 2SC1328 · TR713 2SA722

TR713(ALARM ON) B 39.9 C 40.0 E 40.7

TR712(ALARM ON) B 0.67 C 0.08 E 0

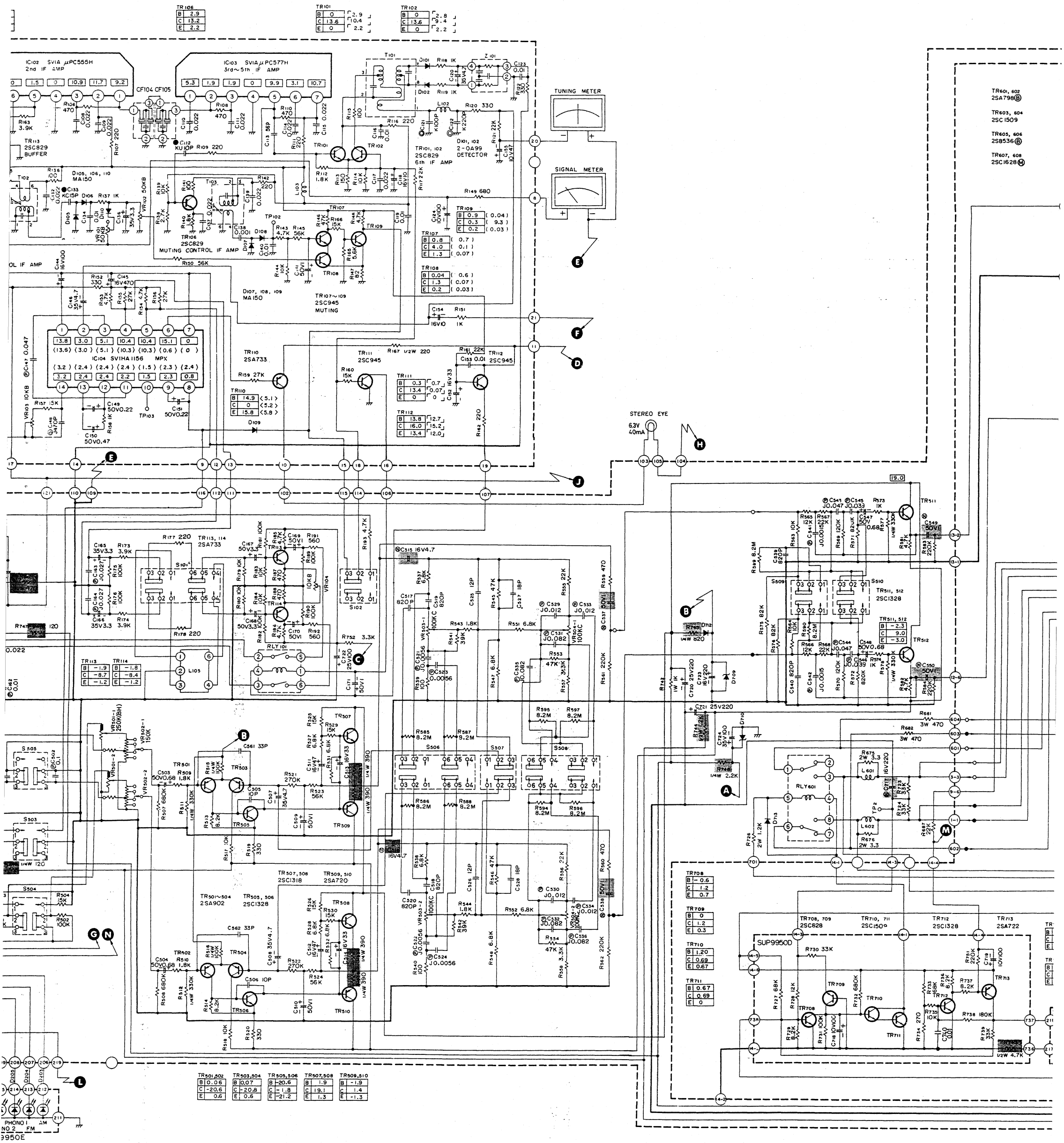
SUP9950D · R730 33K · R751 220K · C719 10V100 · R737 68K · R728 12K · TR709 · R732 680K · TR710 · R733 68K · R736 8.2K · R737 8.2K · TR713 · TR712 · R735 10K · R738 180K · SUP9950G · R729 8.2K · R731 100K · C718 10V100 · TR708 · TR711 · R734 270 · C740 .001 · R739 33K · 1/2W 4.7K · D208

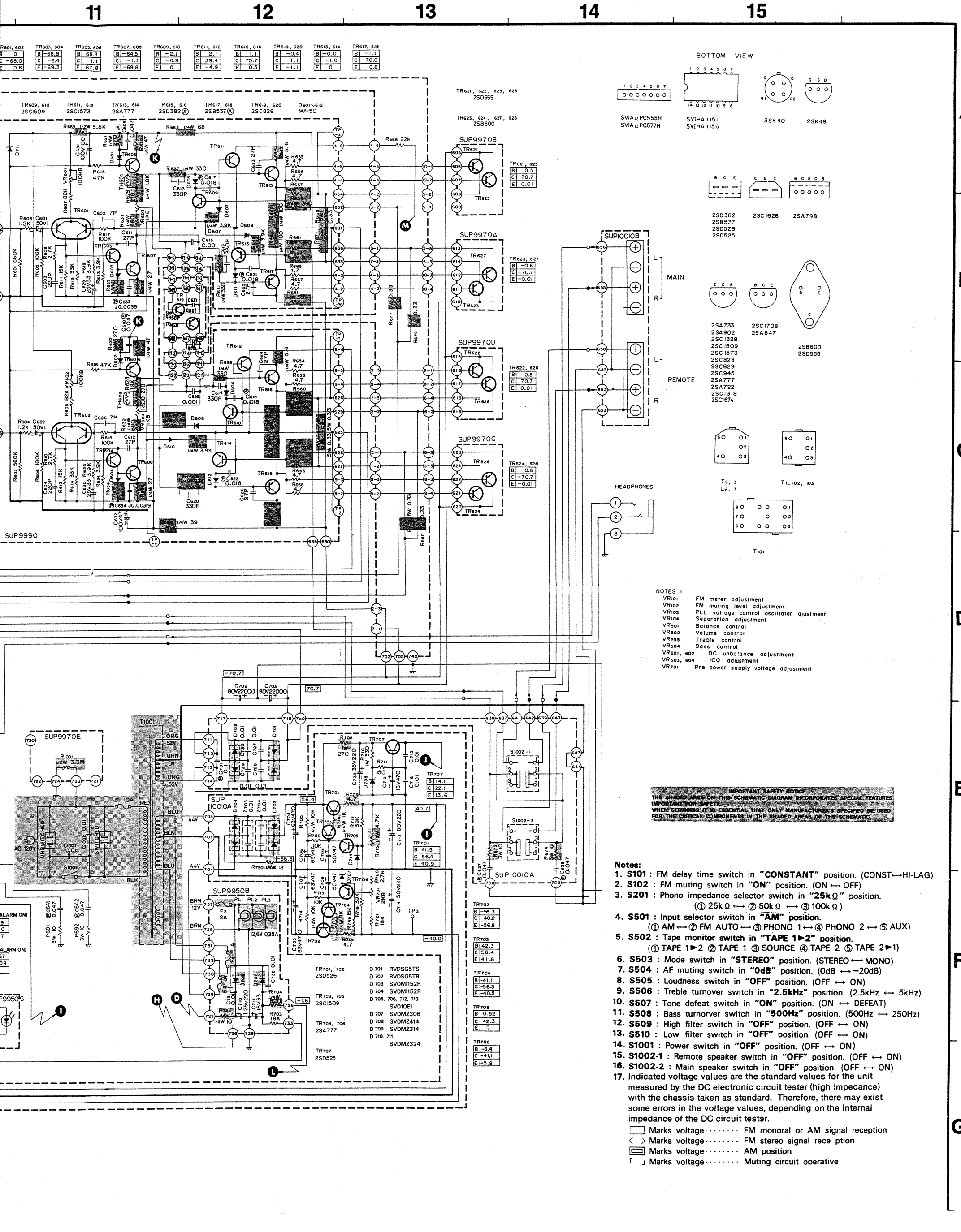
R691 @C641 0.047 3W 10 · R692 @C642 0.047 3W 10

770

(This schematic diagram may be modified at any time with the development of new technology)

5 6 7 8 9 10





NOTES I

VR101	FM meter adjustment
VR102	FM muting level adjustment
VR103	PLL voltage control oscillator ajustment
VR104	Separation adjustment
VR501	Balance control
VR502	Volume control
VR503	Treble control
VR504	Bass control
VR601, 602	DC unbalance adjustment
VR603, 604	ICQ adjustment
VR701	Pre power supply voltage adjustment

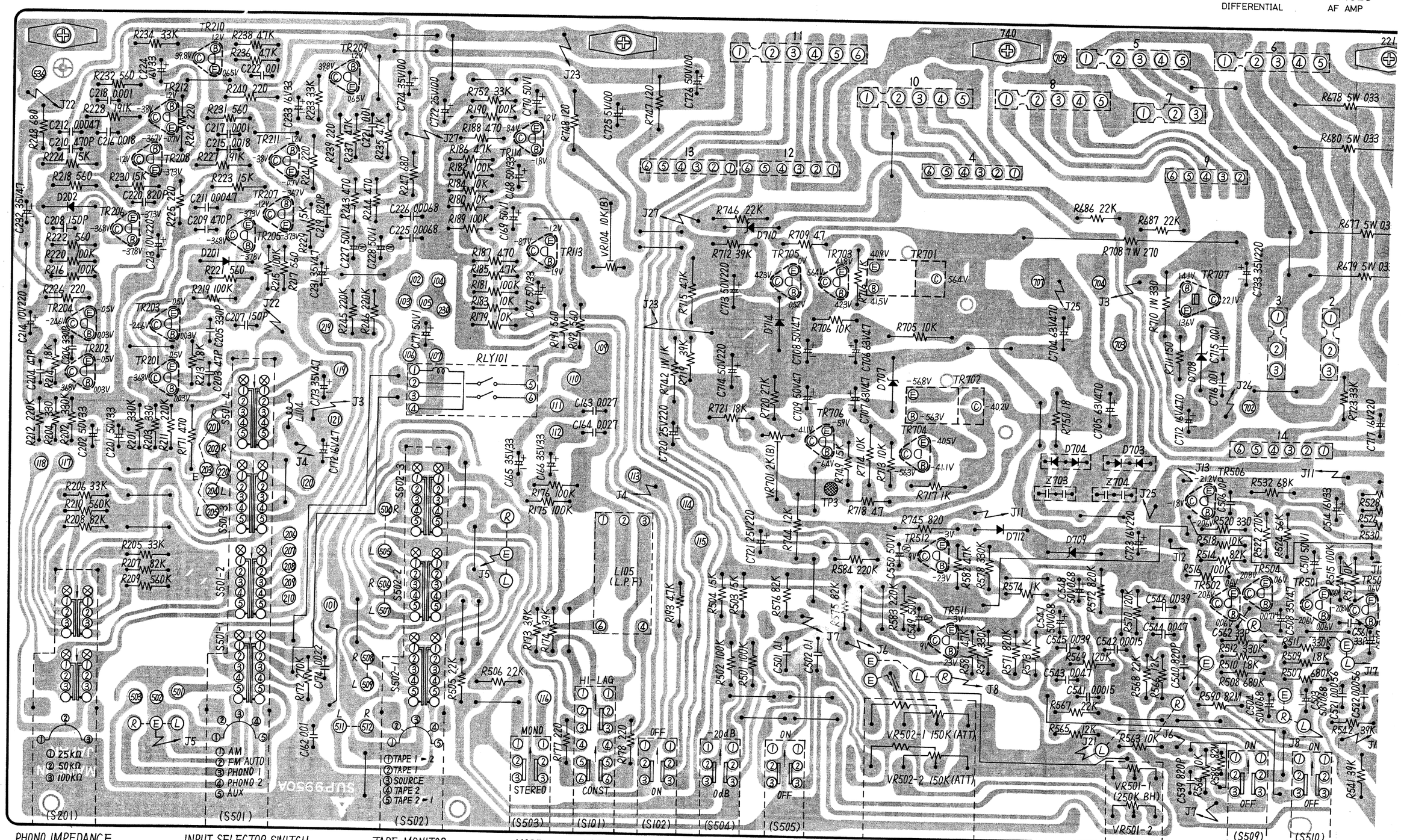
IMPORTANT SAFETY NOTICE
THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR SAFETY. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

Notes:

1. **S101** : FM delay time switch in **"CONSTANT"** position. (CONST↔HI-LAG)
2. **S102** : FM muting switch in **"ON"** position. (ON ↔ OFF)
3. **S201** : Phono impedance selector switch in **"25kΩ"** position. (① 25kΩ ⟷ ② 50kΩ ⟷ ③ 100kΩ)
4. **S501** : Input selector switch in **"AM" position.** (① AM ↔ ② FM AUTO ↔ ③ PHONO 1 ↔ ④ PHONO 2 ↔ ⑤ AUX)
5. **S502** : Tape monitor switch in **"TAPE 1►2" position.** (① TAPE 1►2 ② TAPE 1 ③ SOURCE ④ TAPE 2 ⑤ TAPE 2►1)
6. **S503** : Mode switch in **"STEREO"** position. (STEREO ⟷ MONO)
7. **S504** : AF muting switch in **"0dB"** position. (0dB ⟷ −20dB)
8. **S505** : Loudness switch in **"OFF"** position. (OFF ⟷ ON)
9. **S506** : Treble turnover switch in **"2.5kHz"** position. (2.5kHz ⟷ 5kHz)
10. **S507** : Tone defeat switch in **"ON"** position. (ON ⟷ DEFEAT)
11. **S508** : Bass turnorver switch in **"500Hz"** position. (500Hz ⟷ 250Hz)
12. **S509** : High filter switch in **"OFF"** position. (OFF ⟷ ON)
13. **S510** : Low filter switch in **"OFF"** position. (OFF ⟷ ON)
14. **S1001** : Power switch in **"OFF"** position. (OFF ⟷ ON)
15. **S1002-1** : Remote speaker switch in **"OFF"** position. (OFF ⟷ ON)
16. **S1002-2** : Main speaker switch in **"OFF"** position. (OFF ⟷ ON)
17. Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
    - □ Marks voltage ····· FM monoral or AM signal reception
    - 〈 〉 Marks voltage ····· FM stereo signal rece ption
    - ▭ Marks voltage ····· AM position
    - ⌜ ⌟ Marks voltage ····· Muting circuit operative

■ EQUALIZER AMPLFIER, TAPE MONITOR, TONE CONTROL, TONE AMPLIFIER, FILTER AMPLIFIER, MUTING RELAY & SPEAKER PROTECTION RELAY CIRCUIT BOARD

EQUALIZER AMPLIFIER					FM OUTPUT AMP	VOLTAGE REGULATOR				FILTER AMPLIFIER	TONE AMPL	
TR201,202,203,204	TR205,206	TR207,208	TR209,210	TR211,212	TR113,114	TR701,702	TR703,705	TR704,706	TR707	TR511,512	TR501,502,503,504	TR505,506
2SA902S	2SC1328	2SC1708	2SC1708	2SA847	2SA733	2SD526	2SC1509	2SA777	2SD525	2SC1328	2SA902	2SC1328
DIFFERENTIAL	CURRENT MIRROR	AF AMP	OUTPUT AMP	OUTPUT AMP							DIFFERENTIAL	AF AMP



FIER, FILTER AMPLIFIER, MUTING RELAY & SPEAKER PROTECTION RELAY CIRCUIT BOARD

1P

VOLTAGE REGULATOR

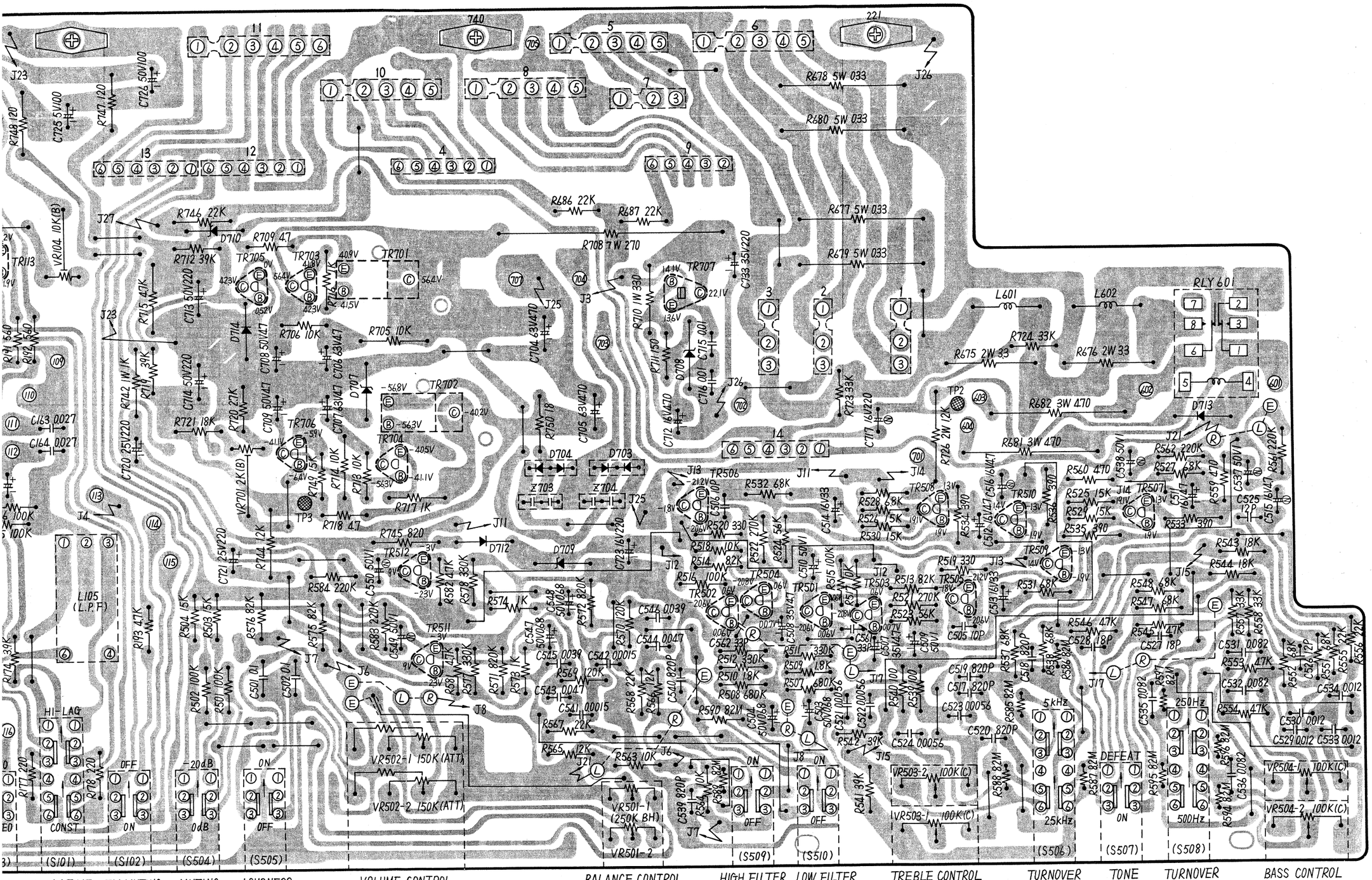
TR701,702	TR703,705	TR704,706	TR707
2SD526	2SC1509	2SA777	2SD525

FILTER AMPLIFIER

TR511,512
2SC1328

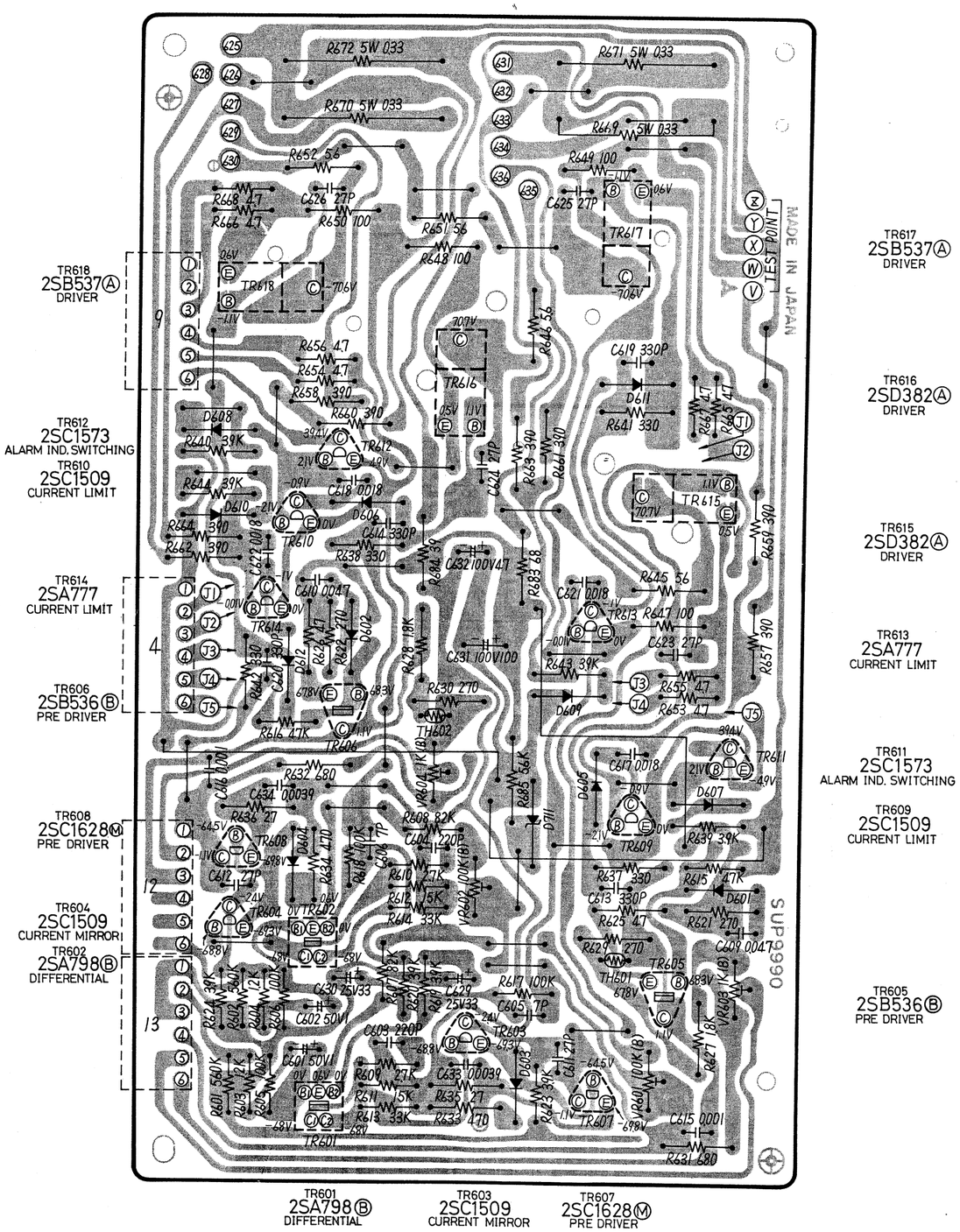
TONE AMPLIFIER

TR501,502,503,504	TR505,506	TR507,508	TR509,510
2SA902	2SC1328	2SC1318	2SA720
DIFFERENTIAL	AF AMP	OUTPUT AMP	OUTPUT AMP

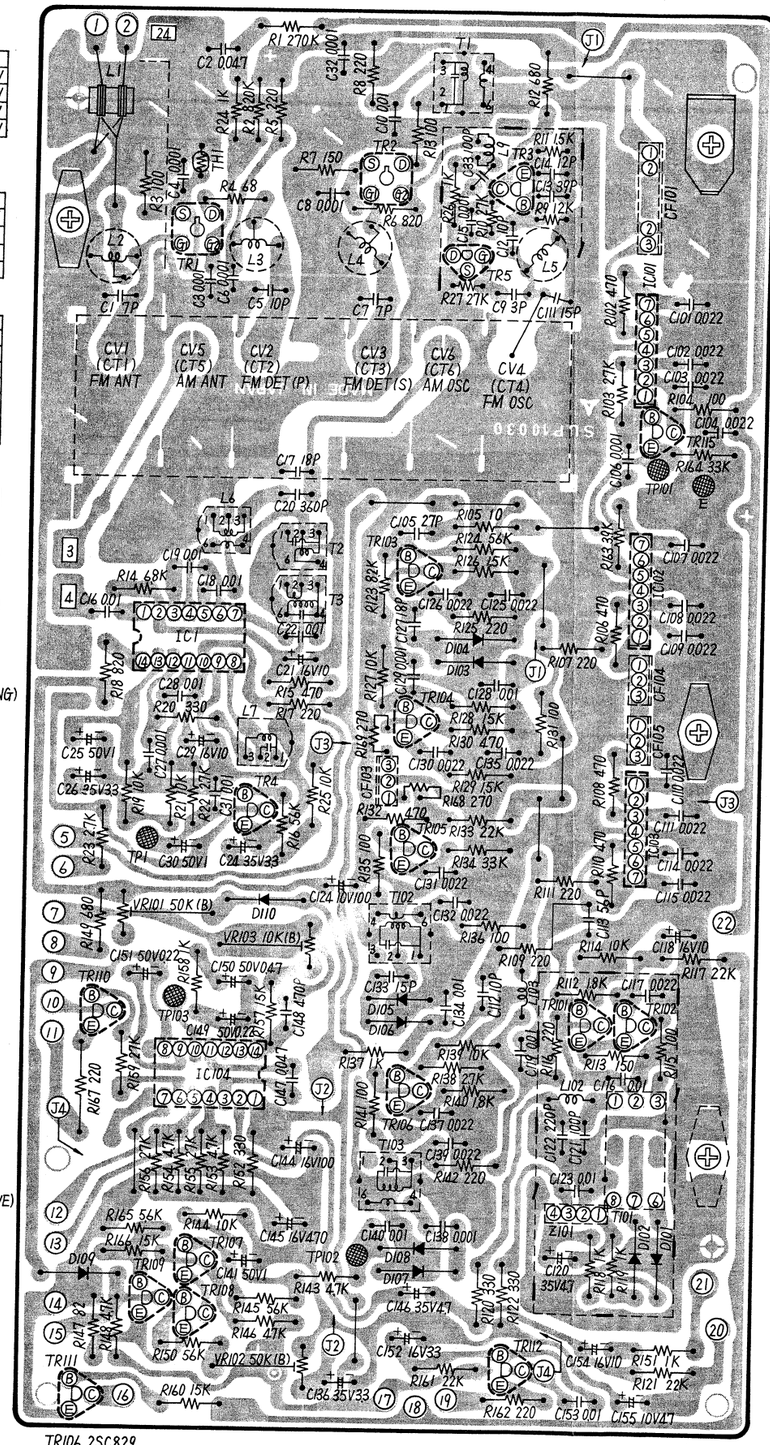


DELAY TIME SWITCH | FM MUTING SWITCH | MUTING SWITCH | LOUDNESS SWITCH | VOLUME CONTROL | BALANCE CONTROL | HIGH FILTER SWITCH | LOW FILTER SWITCH | TREBLE CONTROL | TURNOVER SWITCH | TONE SWITCH | TURNOVER SWITCH | BASS CONTROL

■ MAIN AMPLIFIER CIRCUIT BOARD



■ FM/AM TUNER CIRCUIT BOARD



TR1 3SK40

FM RF	
G1	0 V
G2	3.9 V
S	0.3 V
D	12.0 V

TR2 3SK40

FM MIX	
G1	0 V
G2	0.3 V
S	0.3 V
D	12.5 V

IC1 SV1HA1151 AM

1	1 V	8	7.7 V
2	12.2 V	9	0.4 V
3	7.2 V	10	12.2 V
4	12.2 V	11	1.5 V
5	3.5 V	12	0.7 V
6	12.5 V	13	1.4 V
7	2.1 V	14	0.3 V

TR103 2SC829

CONTROL IF	
B	1.6 V
C	7.6 V
E	0.9 V

TR104 2SC829

CONTROL IF	
B	5.2 V
C	11.8 V
E	4.5 V

TR4 (AM SWITCHING) 2SC945

	FM	AM
B	0.6 V	0 V
C	0 V	0 V
E	0 V	0 V

TR105 2SC829

CONTROL IF	
B	1.7 V
C	13 V
E	1.0 V

IC104 (FM MPX) SV1HA1156

	MONO	STEREO
1	13.8 V	13.6 V
2	3 V	3 V
3	5.1 V	5.1 V
4	10.4 V	10.3 V
5	10.4 V	10.3 V
6	15.1 V	0.6 V
7	0 V	0 V
8	0.8 V	2.4 V
9	2.3 V	2.3 V
10	1.5 V	1.5 V
11	2.2 V	2.4 V
12	2.4 V	2.4 V
13	2.4 V	2.4 V
14	3.2 V	3.2 V

TR110 (IND. LAMP DRIVE) 2SA733

	MONO	STEREO
B	14.9 V	5.1 V
C	0 V	5.2 V
E	15.8 V	5.8 V

TR107 2SC945

	NO-SIGNAL	MUT-ON
B	0.8 V	0.7 V
C	4 V	0.1 V
E	1.3 V	0.07 V

TR108 2SC945

	NO-SIGNAL	MUT-ON
B	0.04 V	0.6 V
C	1.3 V	0.07 V
E	0.2 V	0.03 V

TR106 2SC829

CONTROL TP	
B	2.9 V
C	13.2 V
E	2.2 V

TR3 2SC1674

FM OSC	
B	2.7 V
C	9.8 V
E	2.0 V

TR5 2SK49

BUFFER	
G	0 V
D	5.8 V
S	0 V

IC101 SV1AUPC555H

FM 1st IF	
1	4.4 V
2	12.5 V
3	11.7 V
4	0 V
5	1.5 V
6	0 V
7	1.5 V

TR115 2SC829

BUFFER	
B	4.4 V
C	12.5 V
E	3.7 V

IC102 SV1AUPC555H

FM 2nd IF	
1	9.2 V
2	11.7 V
3	10.9 V
4	0 V
5	1.5 V
6	0 V
7	1.5 V

IC103 SV1AUPC577H FM 3rd~5th IF

1	5.3 V
2	1.9 V
3	1.9 V
4	0 V
5	9.9 V
6	3.1 V
7	10.7 V

TR101 2SC829

	FM	MUT-ON
B	0 V	2.9 V
C	13.6 V	10.4 V
E	0 V	2.2 V

TR102 2SC829

	FM	MUT-ON
B	0 V	2.8 V
C	13.6 V	9.4 V
E	0 V	2.2 V

TR109 2SC945

	NO-SIGNAL	MUT-ON
B	0.9 V	0.04 V
C	0.3 V	9.3 V
E	0.2 V	0.03 V

TR111 2SC945

	MUT-OFF	MUT-ON
B	0.3 V	0.7 V
C	13.4 V	0.07 V
E	0 V	0 V

TR112 2SC945

	MUT-OFF	MUT-ON
B	13.8 V	12.7 V
C	16 V	15.2 V
E	13.4 V	12 V

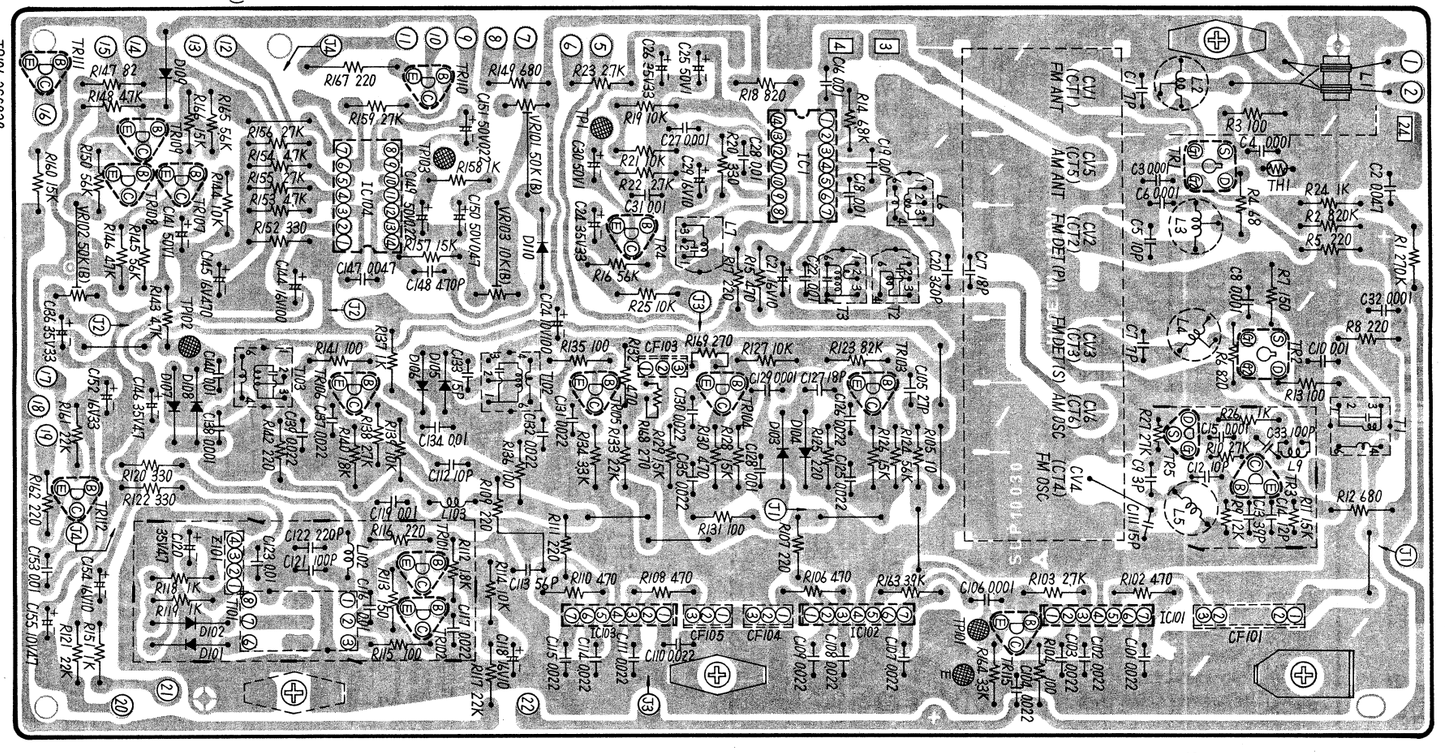
■ REPLACEMENT PARTS LIST

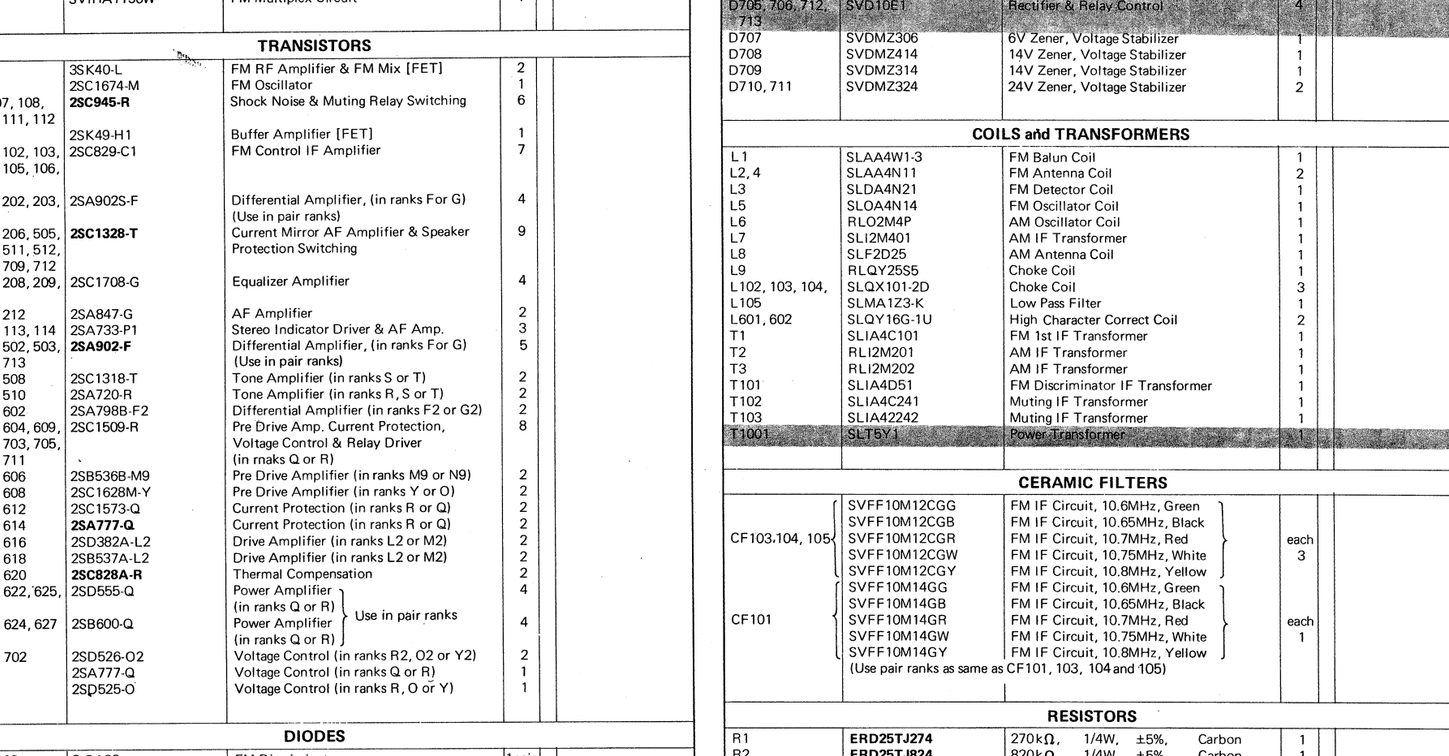
Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
D109, 110, 201,				

Important Safety Notice
Components identified by shaded area have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.

NOTE: 1 Part numbers are indicated on most mechanical parts

■ FM/AM TUNER CIRCUIT BOARD





■ REPLACEMENT PARTS LIST

Important Safety Notice
Components identified by shaded area have special characteristics important for safety.
When replacing any of these components use only manufacturer's specified parts.

NOTE: 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
INTEGRATED CIRCUITS				
IC1	SVIHA1151	AM RF, IF Amplifier & AM Detector	1	
IC101, 102	SVIAUPC555HF	FM IF Amplifier	2	
IC103	SVIAUPC577HF	FM IF Amplifier	1	
IC104	SVIHA1156W	FM Multiplex Circuit	1	
TRANSISTORS				
TR1, 2	3SK40-L	FM RF Amplifier & FM Mix [FET]	2	
TR3	2SC1674-M	FM Oscillator	1	
TR4, 107, 108, 109, 111, 112	**2SC945-R**	Shock Noise & Muting Relay Switching	6	
TR5	2SK49-H1	Buffer Amplifier [FET]	1	
TR101, 102, 103, 104, 105, 106, 115	2SC829-C1	FM Control IF Amplifier	7	
TR201, 202, 203, 204	2SA902S-F	Differential Amplifier, (in ranks For G) (Use in pair ranks)	4	
TR205, 206, 505, 506, 511, 512, 708, 709, 712	**2SC1328-T**	Current Mirror AF Amplifier & Speaker Protection Switching	9	
TR207, 208, 209, 210	2SC1708-G	Equalizer Amplifier	4	
TR211, 212	2SA847-G	AF Amplifier	2	
TR110, 113, 114	2SA733-P1	Stereo Indicator Driver & AF Amp.	3	
TR501, 502, 503, 504, 713	**2SA902-F**	Differential Amplifier, (in ranks For G) (Use in pair ranks)	5	
TR507, 508	2SC1318-T	Tone Amplifier (in ranks S or T)	2	
TR509, 510	2SA720-R	Tone Amplifier (in ranks R, S or T)	2	
TR601, 602	2SA798B-F2	Differential Amplifier (in ranks F2 or G2)	2	
TR603, 604, 609, 610, 703, 705, 710, 711	2SC1509-R	Pre Drive Amp. Current Protection, Voltage Control & Relay Driver (in rnaks Q or R)	8	
TR605, 606	2SB536B-M9	Pre Drive Amplifier (in ranks M9 or N9)	2	
TR607, 608	2SC1628M-Y	Pre Drive Amplifier (in ranks Y or O)	2	
TR611, 612	2SC1573-Q	Current Protection (in ranks R or Q)	2	
TR613, 614	**2SA777-Q**	Current Protection (in ranks R or Q)	2	
TR615, 616	2SD382A-L2	Drive Amplifier (in ranks L2 or M2)	2	
TR617, 618	2SB537A-L2	Drive Amplifier (in ranks L2 or M2)	2	
TR619, 620	**2SC828A-R**	Thermal Compensation	2	
TR621, 622, 625, 626	2SD555-Q	Power Amplifier (in ranks Q or R) } Use in pair ranks	4	
TR623, 624, 627 628	2SB600-Q	Power Amplifier (in ranks Q or R) } Use in pair ranks	4	
TR701, 702	2SD526-O2	Voltage Control (in ranks R2, O2 or Y2)	2	
TR704	2SA777-Q	Voltage Control (in ranks Q or R)	1	
TR707	2SD525-O	Voltage Control (in ranks R, O or Y)	1	
DIODES				
D101, 102	2-OA99	FM Discriminator	1pair	
D103, 104, 105, 106, 107, 108,	MA150	Muting & Meter Detector, AOC, AGC & Switching	23	
D109, 110, 201, 202, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 714				
D203, 204, 205, 206, 207, 208	LN25D	Indicator [LED]	6	
D701	RVDSG5TS	Rectifier	1	
D702	RVDSG5TR	Rectifier	1	
D703	SVDMI152	Rectifier	1	
D704	SVDMI152R	Rectifier	1	
D705, 706, 712, 713	SVD10E1	Rectifier & Relay Control	4	
D707	SVDMZ306	6V Zener, Voltage Stabilizer	1	
D708	SVDMZ414	14V Zener, Voltage Stabilizer	1	
D709	SVDMZ314	14V Zener, Voltage Stabilizer	1	
D710, 711	SVDMZ324	24V Zener, Voltage Stabilizer	2	
COILS and TRANSFORMERS				
L1	SLAA4W1-3	FM Balun Coil	1	
L2, 4	SLAA4N11	FM Antenna Coil	2	
L3	SLDA4N21	FM Detector Coil	1	
L5	SLOA4N14	FM Oscillator Coil	1	
L6	RLO2M4P	AM Oscillator Coil	1	
L7	SLI2M401	AM IF Transformer	1	
L8	SLF2D25	AM Antenna Coil	1	
L9	RLQY25S5	Choke Coil	1	
L102, 103, 104,	SLQX101-2D	Choke Coil	3	
L105	SLMA1Z3-K	Low Pass Filter	1	
L601, 602	SLQY16G-1U	High Character Correct Coil	2	
T1	SLIA4C101	FM 1st IF Transformer	1	
T2	RLI2M201	AM IF Transformer	1	
T3	RLI2M202	AM IF Transformer	1	
T101	SLIA4D51	FM Discriminator IF Transformer	1	
T102	SLIA4C241	Muting IF Transformer	1	
T103	SLIA42242	Muting IF Transformer	1	
T1001	SLT5Y1	Power Transformer	1	
CERAMIC FILTERS				
CF103,104, 105	SVFF10M12CGG	FM IF Circuit, 10.6MHz, Green	each 3	
	SVFF10M12CGB	FM IF Circuit, 10.65MHz, Black		
	SVFF10M12CGR	FM IF Circuit, 10.7MHz, Red		
	SVFF10M12CGW	FM IF Circuit, 10.75MHz, White		
	SVFF10M12CGY	FM IF Circuit, 10.8MHz, Yellow		
CF101	SVFF10M14GG	FM IF Circuit, 10.6MHz, Green	each 1	
	SVFF10M14GB	FM IF Circuit, 10.65MHz, Black		
	SVFF10M14GR	FM IF Circuit, 10.7MHz, Red		
	SVFF10M14GW	FM IF Circuit, 10.75MHz, White		
	SVFF10M14GY	FM IF Circuit, 10.8MHz, Yellow		
	(Use pair ranks as same as CF101, 103, 104 and 105)			
RESISTORS				
R1	**ERD25TJ274**	270kΩ, 1/4W, ±5%, Carbon	1	
R2	**ERD25TJ824**	820kΩ, 1/4W, ±5%, Carbon	1	
R3	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R4	**ERD25TJ680**	68Ω, 1/4W, ±5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R5	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R6	**ERD25TJ821**	820Ω, 1/4W, ±5%, Carbon	1	
R7	**ERD25TJ151**	150Ω, 1/4W, ±5%, Carbon	1	
R8	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carobn	1	
R9	**ERD25TJ123**	12kΩ, 1/4W, ±5%, Carbon	1	
R10	**ERD25TJ273**	27kΩ, 1/4W, ±5%, Carbon	1	
R11	**ERD25TJ152**	1.5kΩ, 1/4W, ±5%, Carbon	1	
R12	**ERD25TJ681**	680Ω, 1/4W, ±5%, Carbon	1	
R13	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R14	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R15	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R16	**ERD25TJ563**	56kΩ, 1/4W, ±5%, Carbon	1	
R17	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R18	**ERD25TJ821**	820Ω, 1/4W, ±5%, Carbon	1	
R19	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R20	**ERD25TJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R21	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R22	**ERD25TJ272**	2.7kΩ, 1/4W, ±5%, Carbon	1	
R23	**ERD25TJ272**	2.7kΩ, 1/4W, ±5%, Carbon	1	
R24	**ERD25TJ102**	10kΩ, 1/4W, ±5%, Carbon	1	
R25	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R26	**ERD25TJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R27	**ERD25TJ273**	27kΩ, 1/4W, ±5%, Carbon	1	
R102	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R103	**ERD25TJ272**	2.7kΩ, 1/4W, ±5%, Carbon	1	
R104	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R105	**ERD25TJ100**	10Ω, 1/4W, ±5%, Carbon	1	
R106	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R107	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R108	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R109	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R110	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R111	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R112	**ERD25TJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R113	**ERD25TJ151**	150Ω, 1/4W, ±5%, Carbon	1	
R114	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R115	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R116	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R117	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R118	**ERD25TJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R119	**ERD25TJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R120	**ERD25TJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R121	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R122	**ERD25TJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R123	**ERD25TJ822**	8.2kΩ, 1/4W, ±5%, Carbon	1	
R124	**ERD25TJ563**	56kΩ, 1/4W, ±5%, Carbon	1	
R125	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R126	**ERD25TJ152**	1.5kΩ, 1/4W, ±5%, Carbon	1	
R127	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R128	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R129	**ERD25TJ152**	1.5kΩ, 1/4W, ±5%, Carbon	1	
R130	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R131	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R132	**ERD25TJ332**	3.3kΩ, 1/4W, ±5%, Carbon	1	
R133	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R134	**ERD25TJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R135	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R136	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R137	**ERD25TJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R138	**ERD25TJ272**	2.7kΩ, 1/4W, ±5%, Carbon	1	
R139	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R140	**ERD25TJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R141	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R142	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R143	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R144	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R145	**ERD25TJ563**	56kΩ, 1/4W, ±5%, Carbon	1	
R146	**ERD25TJ473**	47kΩ, 1/4W, ±5%, Carbon	1	
R147	**ERD25TJ820**	82Ω, 1/4W, ±5%, Carbon	1	
R148	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R149	**ERD25TJ681**	680Ω, 1/4W, ±5%, Carbon	1	
R150	**ERD25TJ563**	56kΩ, 1/4W, ±5%, Carbon	1	
R151	**ERD25TJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R152	**ERD25TJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R153	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R154	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R155	**ERD25TJ273**	27kΩ, 1/4W, ±5%, Carbon	1	
R156	**ERD25TJ273**	27kΩ, 1/4W, ±5%, Carbon	1	
R157	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R158	**ERD25TJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R159	**ERD25TJ273**	27kΩ, 1/4W, ±5%, Carbon	1	
R160	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R161	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R162	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R163	**ERD25TJ392**	3.9kΩ, 1/4W, ±5%, Carbon	1	
R164	**ERD25TJ332**	3.3kΩ, 1/4W, ±5%, Carbon	1	
R165	**ERD25TJ562**	5.6kΩ, 1/4W, ±5%, Carbon	1	
R166	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R167	**ERD50TJ221**	220Ω, 1/2W, ±5%, Carbon	1	
R168	**ERD25TJ270**	27Ω, 1/4W, ±5%, Carbon	1	
R169	**ERD25TJ270**	27Ω, 1/4W, ±5%, Carbon	1	
R171	ERD12FJ471	470Ω, 1/2W, ±5%, Carbon	1	
R172	**ERD25TJ274**	270kΩ, 1/4W, ±5%, Carbon	1	
R173	**ERD25TJ332**	3.3kΩ, 1/4W, ±5%, Carbon	1	
R174	**ERD25TJ332**	3.3kΩ, 1/4W, ±5%, Carbon	1	
R175	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R176	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R177	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R178	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R179	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R180	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R181	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R182	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R183	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R184	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R185	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R186	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R187	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R188	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R189	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R190	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R191	**ERD25TJ561**	560Ω, 1/4W, ±5%, Carbon	1	
R192	**ERD25TJ561**	560Ω, 1/4W, ±5%, Carbon	1	
R193	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R201	**ERD14TSJ334**	330kΩ, 1/4W, ±5%, Carbon	1	
R202	**ERD14TSJ334**	330kΩ, 1/4W, ±5%, Carbon	1	
R203	**ERD25TJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R204	**ERD25TJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R205	**ERD25TJ333**	33kΩ, 1/4W, ±5%, Carbon	1	
R206	**ERD25TJ333**	33kΩ, 1/4W, ±5%, Carbon	1	
R207	**ERD25TJ823**	82kΩ, 1/4W, ±5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R208	**ERD25TJ823**	82kΩ, 1/4W, ±5%, Carbon	1	
R209	**ERD25TJ564**	560kΩ, 1/4W, ±5%, Carbon	1	
R210	**ERD25TJ564**	560kΩ, 1/4W, ±5%, Carbon	1	
R211	**ERD14TSJ224**	220kΩ, 1/4W, ±5%, Carbon	1	
R212	**ERD14TSJ224**	220kΩ, 1/4W, ±5%, Carbon	1	
R213	**ERD25TJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R214	**ERD25TJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R215	**ERD14TSJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R216	**ERD14TSJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R217	**ERD25TJ561**	560Ω, 1/4W, ±5%, Carbon	1	
R218	**ERD25TJ561**	560Ω, 1/4W, ±5%, Carbon	1	
R219	**ERD14TSJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R220	**ERD14TSJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R221	**ERD25TJ561**	560Ω, 1/4W, ±5%, Carbon	1	
R222	**ERD25TJ561**	560Ω, 1/4W, ±5%, Carbon	1	
R223	ERO50CKF1502	15kΩ, 1/2W, ±1%, Metallic	1	
R224	ERO50CKF1502	15kΩ, 1/2W, ±1%, Metallic	1	
R225	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R226	**ERD25TJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R227	ERO50CKF1913	191kΩ, 1/2W, ±1%, Metallic	1	
R228	ERO50CKF1913	191kΩ, 1/2W ±1%, Metallic	1	
R229	**ERD25TJ152**	1.5kΩ, 1/4W, ±5%, Carbon	1	
R230	**ERD25TJ152**	1.5kΩ, 1/4W, ±5%, Carbon	1	
R231	**ERD25TJ561**	560Ω, 1/4W, ±5%, Carbon	1	
R232	**ERD25TJ561**	560Ω, 1/4W, ±5%, Carbon	1	
R233	**ERD25TJ332**	3.3kΩ, 1/4W, ±5%, Carbon	1	
R234	**ERD25TJ332**	3.3kΩ, 1/4W, ±5%, Carbon	1	
R235	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R236	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R237	**ERD25TJ473**	47kΩ, 1/4W, ±5%, Carbon	1	
R238	**ERD25TJ473**	47kΩ, 1/4W, ±5%, Carbon	1	
R239	**ERD14FJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R240	**ERD14FJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R241	**ERD14FJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R242	**ERD14FJ221**	220Ω, 1/4W, ±5%, Carbon	1	
R243	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R244	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R245	**ERD25TJ224**	220kΩ, 1/4W, ±5%, Carbon	1	
R246	**ERD25TJ224**	220kΩ, 1/4W, ±5%, Carbon	1	
R247	**ERD25TJ681**	680Ω, 1/4W, ±5%, Carbon	1	
R248	**ERD25TJ681**	680Ω, 1/4W, ±5%, Carbon	1	
R501	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R502	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R503	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R504	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R505	**ERD25TJ222**	2.2kΩ, 1/4W, ±5%, Carbon	1	
R506	**ERD25TJ222**	2.2kΩ, 1/4W, ±5%, Carbon	1	
R507	**ERD25TJ684**	680kΩ, 1/4W, ±5%, Carbon	1	
R508	**ERD25TJ684**	680kΩ, 1/4W, ±5%, Carbon	1	
R509	**ERD25TJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R510	**ERD25TJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R511	**ERD14TSJ334**	330kΩ, 1/4W, ±5%, Carbon	1	
R512	**ERD14TSJ334**	330kΩ, 1/4W, ±5%, Carbon	1	
R513	**ERD25TJ822**	8.2kΩ, 1/4W, ±5%, Carbon	1	
R514	**ERD25TJ822**	8.2kΩ, 1/4W, ±5%, Carbon	1	
R515	**ERD14TSJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R516	**ERD14TSJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R517	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R518	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R519	**ERD25TJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R520	**ERD25TJ331**	330Ω, 1/4W, ±5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R521	**ERD25TJ274**	270kΩ, 1/4W, ±5%, Carbon	1	
R522	**ERD25TJ274**	270kΩ, 1/4W, ±5%, Carbon	1	
R523	**ERD25TJ563**	56kΩ, 1/4W, ±5%, Carbon	1	
R524	**ERD25TJ563**	56kΩ, 1/4W, ±5%, Carbon	1	
R525	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R526	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R527	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R528	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R529	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R530	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R531	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R532	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R533	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R534	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R535	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R536	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R537	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R538	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R539	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R540	**ERD25TJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R541	**ERD25TJ393**	39kΩ, 1/4W, ±5%, Carbon	1	
R542	**ERD25TJ393**	39kΩ, 1/4W, ±5%, Carbon	1	
R543	**ERD25TJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R544	**ERD25TJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R545	**ERD25TJ473**	47kΩ, 1/4W, ±5%, Carbon	1	
R546	**ERD25TJ473**	47kΩ, 1/4W, ±5%, Carbon	1	
R547	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R548	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R551	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R552	**ERD25TJ682**	6.8kΩ, 1/4W, ±5%, Carbon	1	
R553	**ERD25TJ473**	47kΩ, 1/4W, ±5%, Carbon	1	
R554	**ERD25TJ473**	47kΩ, 1/4W, ±5%, Carbon	1	
R555	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R556	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R557	**ERD25TJ332**	3.3kΩ, 1/4W, ±5%, Carbon	1	
R558	**ERD25TJ332**	3.3kΩ, 1/4W, ±5%, Carbon	1	
R559	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R560	**ERD25TJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R561	**ERD25TJ224**	220kΩ, 1/4W, ±5%, Carbon	1	
R562	**ERD25TJ224**	220kΩ, 1/4W, ±5%, Carbon	1	
R563	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R564	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R565	**ERD25TJ123**	12kΩ, 1/4W, ±5%, Carbon	1	
R566	**ERD25TJ123**	12kΩ, 1/4W, ±5%, Carbon	1	
R567	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R568	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R569	**ERD25TJ124**	120kΩ, 1/4W, ±5%, Carbon	1	
R570	**ERD25TJ124**	120kΩ, 1/4W, ±5%, Carbon	1	
R571	**ERD25TJ824**	820kΩ, 1/4W, ±5%, Carbon	1	
R572	**ERD25TJ824**	820kΩ, 1/4W, ±5%, Carbon	1	
R573	**ERD25TJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R574	**ERD25TJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R575	**ERD25TJ823**	82kΩ, 1/4W, ±5%, Carbon	1	
R576	**ERD25TJ823**	82kΩ, 1/4W, ±5%, Carbon	1	
R577	**ERD14TSJ334**	330kΩ, 1/4W, ±5%, Carbon	1	
R578	**ERD14TSJ334**	330kΩ, 1/4W, ±5%, Carbon	1	
R581	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R582	**ERD25TJ472**	4.7kΩ, 1/4W, ±5%, Carbon	1	
R583	**ERD25TJ224**	220kΩ, 1/4W, ±5%, Carbon	1	
R584	**ERD25TJ224**	220kΩ, 1/4W, ±5%, Carbon	1	
R585	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R586	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	
R587	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	
R588	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	
R589	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	
R590	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	
R594	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	
R595	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	
R596	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	
R597	**ERC14GK825**	8.2MΩ, 1/4W, ±10%, Solid	1	
R601	**ERD25TJ564**	560kΩ, 1/4W, ±5%, Carbon	1	
R602	**ERD25TJ564**	560kΩ, 1/4W, ±5%, Carbon	1	
R603	**ERD25TJ122**	1.2kΩ, 1/4W, ±5%, Carbon	1	
R604	**ERD25TJ122**	1.2kΩ, 1/4W, ±5%, Carbon	1	
R605	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R606	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R607	**ERD25TJ823**	82kΩ, 1/4W, ±5%, Carbon	1	
R608	**ERD25TJ823**	82kΩ, 1/4W, ±5%, Carbon	1	
R609	**ERD25TJ272**	2.7kΩ, 1/4W, ±5%, Carbon	1	
R610	**ERD25TJ821**	820Ω, 1/4W, ±5%, Carbon	1	
R611	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R612	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R613	**ERD25TJ333**	33kΩ, 1/4W, ±5%, Carbon	1	
R614	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R615	**ERD25TJ473**	47kΩ, 1/4W, ±5%, Carbon	1	
R616	**ERD25TJ473**	47kΩ, 1/4W, ±5%, Carbon	1	
R617	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R618	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R619	**ERD25TJ392**	3.9kΩ, 1/4W, ±5%, Carbon	1	
R620	**ERD25TJ392**	3.9kΩ, 1/4W, ±5%, Carbon	1	
R621	**ERD14FJ271**	270Ω, 1/4W, ±5%, Carbon	1	
R622	**ERD14FJ271**	270Ω, 1/4W, ±5%, Carbon	1	
R623	**ERD25TJ392**	3.9kΩ, 1/4W, ±5%, Carbon	1	
R624	**ERD25TJ392**	3.9kΩ, 1/4W, ±5%, Carbon	1	
R625	**ERD14FJ470**	47Ω, 1/4W, ±5%, Carbon	1	
R626	**ERD14FJ470**	47Ω, 1/4W, ±5%, Carbon	1	
R627	**ERD14FJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R628	**ERD14FJ182**	1.8kΩ, 1/4W, ±5%, Carbon	1	
R629	**ERD14FJ271**	270Ω, 1/4W, ±5%, Carbon	1	
R630	**ERD14FJ271**	270Ω, 1/4W, ±5%, Carbon	1	
R631	**ERD14FJ681**	680Ω, 1/4W, ±5%, Carbon	1	
R632	**ERD14FJ681**	680Ω, 1/4W, ±5%, Carbon	1	
R633	**ERD14FJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R634	**ERD14FJ471**	470Ω, 1/4W, ±5%, Carbon	1	
R635	**ERD14FJ270**	27Ω, 1/4W, ±5%, Carbon	1	
R636	**ERD14FJ270**	27Ω, 1/4W, ±5%, Carbon	1	
R637	**ERD14FJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R638	**ERD14FJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R639	**ERD14FJ392**	3.9kΩ, 1/4W, ±5%, Carbon	1	
R640	**ERD14FJ272**	2.7kΩ, 1/4W, ±5%, Carbon	1	
R641	**ERD14FJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R642	**ERD14FJ331**	330Ω, 1/4W, ±5%, Carbon	1	
R643	**ERD14FJ392**	3.9kΩ, 1/4W, ±5%, Carbon	1	
R644	**ERD14FJ272**	2.7kΩ, 1/4W, ±5%, Carbon	1	
R645	**ERD14FJ5R6**	5.6Ω, 1/4W, ±5%, Carbon	1	
R646	**ERD14FJ220**	22Ω, 1/4W, ±5%, Carbon	1	
R647	**ERD14FJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R648	**ERD14FJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R649	**ERD14FJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R650	**ERD14FJ101**	100Ω, 1/4W, ±5%, Carbon	1	
R651	**ERD14FJ5R6**	5.6Ω, 1/4W, ±5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R652	**ERD14FJ220**	22Ω, 1/4W, ±5%, Carbon	1	
R653	**ERD25TJ4R7**	4.7Ω, 1/4W, ±5%, Carbon	1	
R654	**ERD25TJ4R7**	4.7Ω, 1/4W, ±5%, Carbon	1	
R655	**ERD25TJ4R7**	4.7Ω, 1/4W, ±5%, Carbon	1	
R656	**ERD25TJ4R7**	4.7Ω, 1/4W, ±5%, Carbon	1	
R657	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R658	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R659	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R660	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R661	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R662	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R663	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R664	**ERD14FJ391**	390Ω, 1/4W, ±5%, Carbon	1	
R665	**ERD25TJ4R7**	4.7Ω, 1/4W, ±5%, Carbon	1	
R666	**ERD25TJ4R7**	4.7Ω, 1/4W, ±5%, Carbon	1	
R667	**ERD25TJ4R7**	4.7Ω, 1/4W, ±5%, Carbon	1	
R668	**ERD25TJ4R7**	4.7Ω, 1/4W, ±5%, Carbon	1	
R669	ERF5AKR33	0.33Ω, 5W, ±10%, Non-Flammable Wire	1	
R670	ERF5AKR33	0.33Ω, 5W, ±10%, Non-Flammable Wire	1	
R671	ERF5AKR33	0.33Ω, 5W, ±10%, Non-Flammable Wire	1	
R672	ERF5AKR33	0.33Ω, 5W, ±10%, Non-Flammable Wire	1	
R673	ERQ3CJ100	10Ω, 3W, ±5%, Fuse Type Metallic	1	
R674	ERQ3CJ100	10Ω, 3W, ±5%, Fuse Type Metallic	1	
R675	**ERX2ANJ3R3**	3.3Ω, 2W, ±5%, Metallic	1	
R676	**ERX2ANJ3R3**	3.3Ω, 2W, ±5%, Metallic	1	
R677	ERF5AKR33	0.33Ω, 5W, ±10%, Non-Flammable Wire	1	
R678	ERF5AKR33	0.33Ω, 5W, ±10%, Non-Flammable Wire	1	
R679	ERF5AKR33	0.33Ω, 5W, ±10%, Non-Flammable Wire	1	
R680	ERF5AKR33	0.33Ω, 5W, ±10%, Non-Flammable Wire	1	
R681	**ERG3ANJ471**	470Ω, 3W, ±5%, Metallic	1	
R682	**ERG3ANJ471**	470Ω, 3W, ±5%, Metallic	1	
R683	**ERD14FJ680**	68Ω, 1/4W, ±5%, Carbon	1	
R684	**ERD14FJ390**	39Ω, 1/4W, ±5%, Carbon	1	
R685	ERD12FJ562	5.6kΩ, 1/2W, ±5%, Carbon	1	
R686	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R687	**ERD25TJ223**	22kΩ, 1/4W, ±5%, Carbon	1	
R703	**ERD25TJ183**	18kΩ, 1/4W, ±5%, Carbon	1	
R704	**ERD14FJ821**	820Ω, 1/4W, ±5%, Carbon	1	
R705	ERD12TSJ103	10kΩ, 1/2W, ±5%, Carbon	1	
R706	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R708	**ERF7SJ271**	270Ω, 7W, ±5%, Non-Flammable Wire	1	
R709	**ERD18FJ4R7**	4.7Ω, 1/8W, ±5%, Carbon	1	
R710	**ERG1ANJ331**	330Ω, 1W, ±5%, Carbon	1	
R711	**ERD25TJ151**	150Ω, 1/4W, ±5%, Carbon	1	
R712	**ERD25TJ393**	39kΩ, 1/4W, ±5%, Carbon	1	
R713	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R714	ERD12TSJ103	10kΩ, 1/2W, ±5%, Carbon	1	
R715	ERD12FJ472	4.7kΩ, 1/2W, ±5%, Carbon	1	
R716	**ERD14FJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R717	**ERD14FJ102**	1kΩ, 1/4W, ±5%, Carbon	1	
R718	**ERD18FJ4R7**	4.7Ω, 1/8W, ±5%, Carbon	1	
R719	**ERD25TJ393**	39kΩ, 1/4W, ±5%, Carbon	1	
R720	**ERD25TJ272**	2.7kΩ, 1/4W, ±5%, Carbon	1	
R721	**ERD25TJ183**	18kΩ, 1/4W, ±5%, Carbon	1	
R723	**ERD25TJ333**	33kΩ, 1/4W, ±5%, Carbon	1	
R724	**ERD25TJ333**	33kΩ, 1/4W, ±5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R726	**ERG2ANJ122**	1.2kΩ, 2W, ±5%, Metallic	1	
R727	**ERD25TJ683**	68kΩ, 1/4W, ±5%, Carbon	1	
R728	**ERD25TJ123**	12kΩ, 1/4W, ±5%, Carbon	1	
R729	**ERD25TJ822**	8.2kΩ, 1/4W, ±5%, Carbon	1	
R730	**ERD25TJ333**	33kΩ, 1/4W, ±5%, Carbon	1	
R731	**ERD25TJ104**	100kΩ, 1/4W, ±5%, Carbon	1	
R732	**ERD25TJ684**	680kΩ, 1/4W, ±5%, Carbon	1	
R733	**ERD25TJ683**	68kΩ, 1/4W, ±5%, Carbon	1	
R734	**ERD25TJ271**	270Ω, 1/4W, ±5%, Carbon	1	
R735	**ERD25TJ103**	10kΩ, 1/4W, ±5%, Carbon	1	
R736	**ERD25TJ822**	8.2kΩ, 1/4W, ±5%, Carbon	1	
R737	**ERD25TJ822**	8.2kΩ, 1/4W, ±5%, Carbon	1	
R738	**ERD25TJ184**	180kΩ, 1/4W, ±5%, Carbon	1	
R739	**ERD25TJ333**	33kΩ, 1/4W, ±5%, Carbon	1	
R740	ERD12FJ472	4.7kΩ, 1/2W, ±5%, Carbon	1	
R741	ERD12FJ100	10Ω, 1/2W, ±5%, Carbon	1	
R742	**ERG1ANJ102**	1kΩ, 1W, ±5%, Carbon	1	
R744	ERD12FJ122	1.2kΩ, 1/2W, ±5%, Carbon	1	
R745	**ERD14FJ821**	820Ω, 1/4W, ±5%, Carbon	1	
R746	**ERD14FJ222**	2.2kΩ, 1/4W, ±5%, Carbon	1	
R747	**ERD14FJ121**	120Ω, 1/4W, ±5%, Carbon	1	
R748	**ERD14FJ121**	120Ω, 1/4W, ±5%, Carbon	1	
R749	**ERD25TJ153**	15kΩ, 1/4W, ±5%, Carbon	1	
R750	**ERD14FJ180**	18Ω, 1/4W, ±5%, Carbon	1	
R751	**ERD25TJ224**	220kΩ, 1/4W, ±5%, Carbon	1	
R752	**ERD25TJ332**	3.3kΩ, 1/4W, ±5%, Carbon	1	
R801	**ERG3ANJ100**	10Ω, 3W, ±5%, Metallic	1	
R802	**ERG3ANJ100**	10Ω, 3W, ±5%, Metallic	1	
R1001	**ERC12ZGK335**	3.3MΩ, 1/2W, ±10%, Solid	1	
VARIABLE RESISTORS				
VR101, 102	**EVLS3AA00B54**	50kΩ(B), Muting & Meter Adjustment	2	
VR103, 104	**EVLS3AA00B14**	10kΩ(B), VCO & Separation Adjustment	2	
VR601, 602	**EVLSOAA00B15**	100kΩ(B), DC Unbalance Adjustment	2	
VR602, 603	**EVLSOAA00B13**	1kΩ(B), Ica Adjustment	2	
VR701	**EVLSOAA00B23**	2kΩ(B), Voltage Adjustment	1	
VR501	EVK7RA031252	250kΩ(BH), Balance Control	1	
VR502	EWCF2AF30ATC	150kΩ, Volume Control [ATT]	1	
VR503, 504	EWF2WA037C15	100kΩ(C), Bass & Treble Control	2	
THERMISTORS				
TH1, 601, 602	RRT251	Thermistor, Thermal Compensator	3	
CAPACITORS				
C1	ECCD1H070DC	7pF, 50WV, ±0.5pF, Ceramic	1	
C2	ECQM05473KZ	0.047μF, 50WV, ±10%, Polyester	1	
C3	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1	
C4	ECKD1H102PF	0.001μF, 50WV, +100% −0%, Ceramic	1	
C5	ECCD1H100KR	100pF, 50WV, ±10%, Ceramic	1	
C6	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1	
C7	ECCD1H070DC	7pF, 50WV, ±0.5pF, Ceramic	1	
C8	ECKD1H102MDA	0.001μF, 50WV, ±20%, Ceramic	1	
C9	ECCD1H030CC	3pF, 50WV, ±0.25pF, Ceramic	1	
C10	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C11	ECCD1H150KR	15pF, 50WV, ±10%, Ceramic	1	
C12	ECCD1H100KC	10pF, 50WV, ±10%, Ceramic	1	
C13	ECCD1H390KC	39pF, 50WV, ±10%, Ceramic	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C14	ECCD1H120KC	12pF, 50WV, ±10%, Ceramic	1	
C15	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1	
C16	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C17	ECCD1H180KC	18pF, 50WV, ±10%, Ceramic	1	
C18	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C19	ECKD1H103PF	0.01μF, 50WV, +100% −0%, Ceramic	1	
C20	ECQS1361JZ	360pF, 125WV, ±5%, Styrol	1	
C21	ECEA16V10	10μF, 16WV, Electrolytic	1	
C22	ECKD1H103PF	0.01μF, 50WV, Ceramic	1	
C24	ECEA50V3R3	3.3μF, 50WV, Electrolytic	1	
C25	ECEA50V1	1μF, 50WV, Electrolytic	1	
C26	ECEA50V3R3	3.3μF, 50WV, Electrolytic	1	
C27	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1	
C28	ECKD1H103PF	0.01μF, 50WV, +100% −0%, Ceramic	1	
C29	ECEA16V10	10μF, 16WV, Electrolytic	1	
C30	ECEA50V1	1μF, 50WV, Electrolytic	1	
C31	ECKD1H103PF	0.01μF, 50WV, +100% −0%, Ceramic	1	
C32	ECKD1H102PF	0.001μF, 50WV, +100% −0%, Ceramic	1	
C33	ECCD1H101K	100pF, 50WV, ±10%, Ceramic	1	
C101	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C102	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C103	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C104	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C105	ECCD1H270KC	27pF, 50WV, ±10%, Ceramic	1	
C106	ECKD1H102PF	0.001μF, 50WV, +100% −0%, Ceramic	1	
C107	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C108	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C109	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C110	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C111	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C112	ECCD1H100KU	10pF, 50WV, ±10%, Ceramic	1	
C113	ECCD1H560K	56pF, 50WV, ±10%, Ceramic	1	
C114	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C115	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C116	ECKD1H103PF	0.01μF, 50WV, +100% −0%, Ceramic	1	
C117	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C118	ECEA16V10	10μF, 16WV, Electrolytic	1	
C119	ECKD1H103PF	0.01μF, 50WV, +100% −0%, Ceramic	1	
C120	ECEA35V4R7	4.7μF, 35WV, Electrolytic	1	
C121	ECCD1H101K	100pF, 50WV, ±10%, Ceramic	1	
C122	ECCD1H221K	220pF, 50WV, ±10%, Ceramic	1	
C123	ECKD1H103PF	0.01μF, 50WV, +100% −0%, Ceramic	1	
C124	ECEA10V100	100μF, 10WV, Electrolytic	1	
C125	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	1	
C126	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C127	ECCD1H180KC	18pF, 50WV, ±10%, Ceramic	1	
C128	ECKD1H103PF	0.01μF, 50WV, +100% −0%, Ceramic	1	
C129	ECKD1H102PF	0.001μF, 50WV, +100% −0%, Ceramic	1	
C130	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C131	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C132	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C133	ECCD1H150KC	15pF, 50WV, ±10%, Ceramic	1	
C134	ECKD1H103PF	0.01μF, 50WV, +100% −0%, Ceramic	1	
C135	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Cermaic	1	
C136	ECEA50V3R3	3.3μF, 50WV, Electrolytic	1	
C137	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C138	ECKD1H102PF	0.001μF, 50WV, +100% −0%, Ceramic	1	
C139	ECKD1H223PF	0.022μF, 50WV, +100% −0%, Ceramic	1	
C140	ECKD1H103PF	0.01μF, 50WV, +100% −0%, Ceramic	1	
C141	ECEA50V1	1μF, 50WV, Electrolytic	1	

R647	**ERD14FJ101**	100Ω,	1/4W,	±5%,	Carbon	1		
R648	**ERD14FJ101**	100Ω,	1/4W,	±5%,	Carbon	1		
R649	**ERD14FJ101**	100Ω,	1/4W,	±5%,	Carbon	1		
R650	**ERD14FJ101**	100Ω,	1/4W,	±5%,	Carbon	1		
R651	**ERD14FJ5R6**	5.6Ω,	1/4W,	±5%,	Carbon	1		
R721	**ERD25TJ183**	18kΩ,	1/4W,	±5%,	Carbon	1		
R723	**ERD25TJ333**	33kΩ,	1/4W,	±5%,	Carbon	1		
R724	**ERD25TJ333**	33kΩ,	1/4W,	±5%,	Carbon	1		

Ref. No.	Part No.	Part Name & Description				Per Set		Remarks
R726	**ERG2ANJ122**	1.2kΩ,	2W,	±5%,	Metallic	1		
R727	**ERD25TJ683**	68kΩ,	1/4W,	±5%,	Carbon	1		
R728	**ERD25TJ123**	12kΩ,	1/4W,	±5%,	Carbon	1		
R729	**ERD25TJ822**	8.2kΩ,	1/4W,	±5%,	Carbon	1		
R730	**ERD25TJ333**	33kΩ,	1/4W,	±5%,	Carbon	1		
R731	**ERD25TJ104**	100kΩ,	1/4W,	±5%,	Carbon	1		
R732	**ERD25TJ684**	680kΩ,	1/4W,	±5%,	Carbon	1		
R733	**ERD25TJ683**	68kΩ,	1/4W,	±5%,	Carbon	1		
R734	**ERD25TJ271**	270Ω,	1/4W,	±5%,	Carbon	1		
R735	**ERD25TJ103**	10kΩ,	1/4W,	±5%,	Carbon	1		
R736	**ERD25TJ822**	8.2kΩ,	1/4W,	±5%,	Carbon	1		
R737	**ERD25TJ822**	8.2kΩ,	1/4W,	±5%,	Carbon	1		
R738	**ERD25TJ184**	180kΩ,	1/4W,	±5%,	Carbon	1		
R739	**ERD25TJ333**	33kΩ,	1/4W,	±5%,	Carbon	1		
R740	ERD12FJ472	4.7kΩ,	1/2W,	±5%,	Carbon	1		
R741	ERD12FJ100	10Ω,	1/2W,	±5%,	Carbon	1		
R742	**ERG1ANJ102**	1kΩ,	1W,	±5%,	Carbon	1		
R744	ERD12FJ122	1.2kΩ,	1/2W,	±5%,	Carbon	1		
R745	**ERD14FJ821**	820Ω,	1/4W,	±5%,	Carbon	1		
R746	**ERD14FJ222**	2.2kΩ,	1/4W,	±5%,	Carbon	1		
R747	**ERD14FJ121**	120Ω,	1/4W,	±5%,	Carbon	1		
R748	**ERD14FJ121**	120Ω,	1/4W,	±5%,	Carbon	1		
R749	**ERD25TJ153**	15kΩ,	1/4W,	±5%,	Carbon	1		
R750	**ERD14FJ180**	18Ω,	1/4W,	±5%,	Carbon	1		
R751	**ERD25TJ224**	220kΩ,	1/4W,	±5%,	Carbon	1		
R752	**ERD25TJ332**	3.3kΩ,	1/4W,	±5%,	Carbon	1		
R801	**ERG3ANJ100**	10Ω,	3W,	±5%,	Metallic	1		
R802	**ERG3ANJ100**	10Ω,	3W,	±5%,	Metallic	1		
R1001	**ERC12ZGK335**	3.3MΩ,	1/2W,	±10%,	Solid	1		
VARIABLE RESISTORS								
VR101, 102	**EVLS3AA00B54**	50kΩ(B), Muting & Meter Adjustment				2		
VR103, 104	**EVLS3AA00B14**	10kΩ(B), VCO & Separation Adjustment				2		
VR601, 602	**EVLSOAA00B15**	100kΩ(B), DC Unbalance Adjustment				2		
VR602, 603	**EVLSOAA00B13**	1kΩ(B), Icq Adjustment				2		
VR701	**EVLSOAA00B23**	2kΩ(B), Voltage Adjustment				1		
VR501	EVK7RA031252	250kΩ(BH), Balance Control				1		
VR502	EWCF2AF30ATC	150kΩ, Volume Control [ATT]				1		
VR503, 504	EWF2WA037C15	100kΩ(C), Bass & Treble Control				2		
THERMISTORS								
TH1, 601, 602	RRT251	Thermistor, Thermal Compensator				3		
CAPACITORS								
C1	ECCD1H070DC	7pF,	50WV,	±0.5pF,	Ceramic	1		
C2	ECQM05473KZ	0.047μF,	50WV,	±10%,	Polyester	1		
C3	ECKD1H102MD	0.001μF,	50WV,	±20%,	Ceramic	1		
C4	ECKD1H102PF	0.001μF	50WV,	+100 −0 %,	Ceramic	1		
C5	ECCD1H100KR	100pF,	50WV,	±10%,	Ceramic	1		
C6	ECKD1H102MD	0.001μF,	50WV,	±20%,	Ceramic	1		
C7	ECCD1H070DC	7pF,	50WV,	±0.5pF,	Ceramic	1		
C8	ECKD1H102MDA	0.001μF,	50WV,	±20%,	Ceramic	1		
C9	ECCD1H030CC	3pF,	50WV,	±0.25pF,	Ceramic	1		
C10	ECKD1H103MD	0.01μF,	50WV,	±20%,	Ceramic	1		
C11	ECCD1H150KR	15pF,	50WV,	±10%,	Ceramic	1		
C12	ECCD1H100KC	10pF,	50WV,	±10%,	Ceramic	1		
C13	ECCD1H390KC	39pF,	50WV,	±10%,	Ceramic	1		

Ref. No.	Part No.	Part Name & Description				Per Set		Remarks
C14	ECCD1H120KC	12pF,	50WV,	±10%,	Ceramic	1		
C15	ECKD1H102MD	0.001μF,	50WV,	±20%,	Ceramic	1		
C16	ECKD1H103MD	0.01μF,	50WV,	±20%,	Ceramic	1		
C17	ECCD1H180KC	18pF,	50WV,	±10%,	Ceramic	1		
C18	ECKD1H103MD	0.01μF,	50WV,	±20%,	Ceramic	1		
C19	ECKD1H103PF	0.01μF	50WV,	+100 −0 %,	Ceramic	1		
C20	ECQS1361JZ	360pF,	125WV,	±5%,	Styrol	1		
C21	ECEA16V10	10μF,	16WV,		Electrolytic	1		
C22	ECKD1H103PF	0.01μF,	50WV,		Ceramic	1		
C24	ECEA50V3R3	3.3μF,	50WV,		Electrolytic	1		
C25	ECEA50V1	1μF,	50WV,		Electrolytic	1		
C26	ECEA50V3R3	3.3μF,	50WV,		Electrolytic	1		
C27	ECKD1H102MD	0.001μF,	50WV,	±20%,	Ceramic	1		
C28	ECKD1H103PF	0.01μF,	50WV,	+100 −0 %,	Ceramic	1		
C29	ECEA16V10	10μF,	16WV,		Electrolytic	1		
C30	ECEA50V1	1μF,	50WV,		Electrolytic	1		
C31	ECKD1H103PF	0.01μF,	50WV,	+100 −0 %,	Ceramic	1		
C32	ECKD1H102PF	0.001μF,	50WV,	+100 −0 %,	Ceramic	1		
C33	ECCD1H101K	100pF,	50WV,	±10%,	Ceramic	1		
C101	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C102	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C103	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C104	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C105	ECCD1H270KC	27pF,	50WV,	±10%,	Ceramic	1		
C106	ECKD1H102PF	0.001μF,	50WV,	+100 −0 %,	Ceramic	1		
C107	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C108	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C109	ECKD1H223PF	0.022μF	50WV,	+100 −0 %,	Ceramic	1		
C110	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C111	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C112	ECCD1H100KU	10pF,	50WV,	±10%,	Ceramic	1		
C113	ECCD1H560K	56pF,	50WV,	±10%,	Ceramic	1		
C114	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C115	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C116	ECKD1H103PF	0.01μF,	50WV,	+100 −0 %,	Ceramic	1		
C117	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C118	ECEA16V10	10μF,	16WV,		Electrolytic	1		
C119	ECKD1H103PF	0.01μF,	50WV,	+100 −0 %,	Ceramic	1		
C120	ECEA35V4R7	4.7μF,	35WV,		Electrolytic	1		
C121	ECCD1H101K	100pF,	50WV,	±10%,	Ceramic	1		
C122	ECCD1H221K	220pF,	50WV,	±10%,	Ceramic	1		
C123	ECKD1H103PF	0.01μF,	50WV,	+100 −0 %,	Ceramic	1		
C124	ECEA10V100	100μF,	10WV,		Electrolytic	1		
C125	ECQM05223KZ	0.022μF,	50WV,	±10%,	Polyester	1		
C126	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C127	ECCD1H180KC	18pF,	50WV,	±10%,	Ceramic	1		
C128	ECKD1H103PF	0.01μF,	50WV,	+100 −0 %,	Ceramic	1		
C129	ECKD1H102PF	0.001μF,	50WV,	+100 −0 %,	Ceramic	1		
C130	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C131	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C132	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C133	ECCD1H150KC	15pF,	50WV,	±10%,	Ceramic	1		
C134	ECKD1H103PF	0.01μF,	50WV,	+100 −0 %,	Ceramic	1		
C135	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Cermaic	1		
C136	ECEA50V3R3	3.3μF,	50WV,		Electrolytic	1		
C137	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C138	ECKD1H102PF	0.001μF,	50WV,	+100 −0 %,	Ceramic	1		
C139	ECKD1H223PF	0.022μF,	50WV,	+100 −0 %,	Ceramic	1		
C140	ECKD1H103PF	0.01μF,	50WV,	+100 −0 %,	Ceramic	1		
C141	ECEA50V1	1μF,	50WV,		Electrolytic	1		

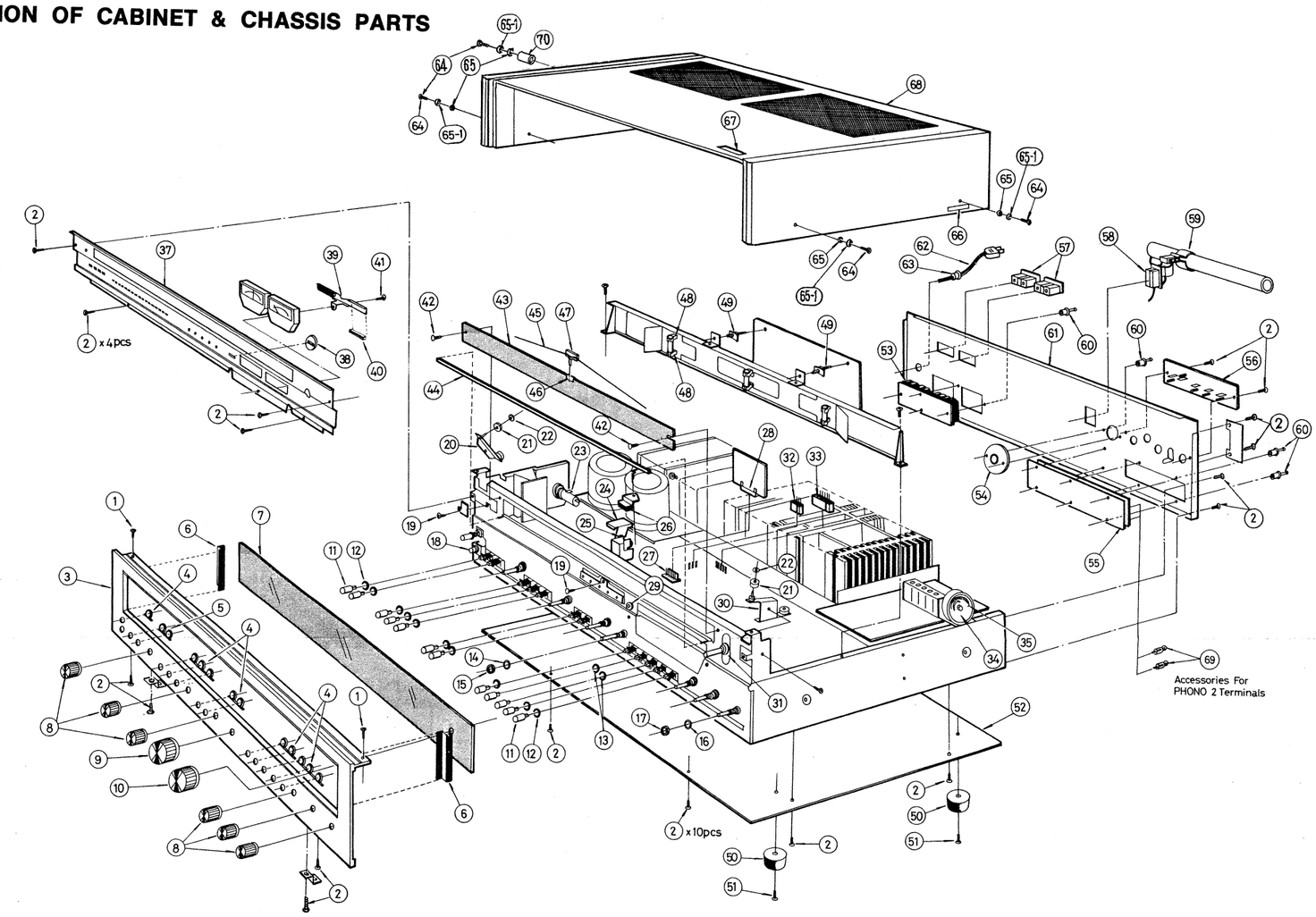
Ref. No.	Part No.	Part Name & Description				Per Set		Remarks
C144	**ECEA16V100V**	100μF,	16WV,		Electrolytic	1		
C145	**ECEA16V470V**	470μF,	16WV,		Electrolytic	1		
C146	ECEA35V4R7	4.7μF,	35WV,		Electrolytic	1		
C147	ECQM05473KZ	0.047μF,	50WV,	±10%,	Polyester	1		
C148	ECQS1471JZ	470pF,	125WV,	±5%,	Styrol	1		
C149	ECEA50MR22R	0.22μF,	50WV,		Electrolytic	1		
C150	ECEA50MR47R	0.47μF,	50WV,		Electrolytic	1		
C151	ECEA50MR22R	0.22μF,	50WV,		Electrolytic	1		
C152	ECEA16V33	33μF,	16WV,		Electrolytic	1		
C153	ECKD1H103PF	0.01μF,	50WV,	+100 −0 %,	Ceramic	1		
C154	ECEA16V10	10μF,	16WV,		Electrolytic	1		
C155	ECEA10V47	47μF,	10WV,		Electrolytic	1		
C162	ECQM05103KZ	0.01μF,	50WV,	±10%,	Polyester	1		
C163	ECQM05273JZ	0.027μF,	50WV,	±5%,	Polyester	1		
C164	ECQM05273JZ	0.027μF,	50WV,	±5%,	Polyester	1		
C165	ECEA35V3R3	3.3μF,	35WV,		Electrolytic	1		
C166	ECEA35V3R3	3.3μF,	35WV,		Electrolytic	1		
C167	ECEA50M3R3R	3.3μF,	50WV,		Electrolytic	1		
C168	ECEA50M3R3R	3.3μF,	50WV,		Electrolytic	1		
C169	ECEA50M1R	1μF,	50WV,		Electrolytic	1		
C170	ECEA50M1R	1μF,	50WV,		Electrolytic	1		
C171	ECEA50V1	1μF,	50WV,		Electrolytic	1		
C172	ECEA16V47	47μF,	16WV,		Electrolytic	1		
C173	ECEA35V4R7	4.7μF,	35WV,		Electrolytic	1		
C174	ECQM05223KZ	0.022μF,	50WV,	±10%,	Polyester	1		
C201	ECEA50M3R3R	3.3μF,	50WV,		Electrolytic	1		
C202	ECEA50M3R3R	3.3μF,	50WV,		Electrolytic	1		
C203	ECCD1H470K	47pF,	50WV,	±10%,	Ceramic	1		
C204	ECCD1H470K	47pF,	50WV,	±10%,	Ceramic	1		
C205	ECKD2H331KB	330pF,	500WV,	±10%,	Ceramic	1		
C206	ECKD2H331KB	330pF,	500WV,	±10%,	Ceramic	1		
C207	ECCD1H151K	150pF,	50WV,	±10%,	Ceramic	1		
C208	ECCD1H151K	150pF,	50WV,	±10%,	Ceramic	1		
C209	ECQS05471JZG	470pF,	50WV,	±5%,	Styrol	1		
C210	ECQS05471JZG	470pF,	50WV,	±5%,	Styrol	1		
C211	ECQF1472GZ	0.0047μF,	125WV,	±2%,	Polypropylene	1		
C212	ECQF1472GZ	0.0047μF,	125WV,	±2%,	Polypropylene	1		
C213	**ECEA16V220V**	220μF,	16WV,		Electrolytic	1		
C214	**ECEA16V220V**	220μF,	16WV,		Electrolytic	1		
C215	ECQF1183GZ	0.018μF,	125WV,	±2%	Polypropylene	1		
C216	ECQF1183GZ	0.018μF,	125WV,	±2%,	Polypropylene	1		
C217	ECQM05102JZ	0.001μF,	50WV,	±5%,	Polyester	1		
C218	ECQM05102JZ	0.001μF,	50WV,	±5%,	Polyester	1		
C219	ECKD2H821KB	820pF,	500WV,	±10%,	Ceramic	1		
C220	ECKD2H821KB	820pF,	500WV,	±10%,	Ceramic	1		
C221	ECQM05103KZ	0.01μF,	50WV,	±10%,	Polyester	1		
C222	ECQM05103KZ	0.01μF,	50WV,	±10%,	Polyester	1		
C223	ECEA16V33	33μF,	16WV,		Electrolytic	1		
C224	ECEA16V33	33μF,	16WV,		Electrolytic	1		
C225	ECQM05682JZ	0.0068μF,	50WV,	±5%,	Polyester	1		
C226	ECQM05682JZ	0.0068μF,	50WV,	±5%,	Polyester	1		
C227	**ECEA50N1**	1μF,	50WV,	Non-Polar	Electrolytic	1		
C228	**ECEA50N1**	1μF,	50WV,	Non-Polar	Electrolytic	1		
C231	ECEA35V4R7	4.7μF,	35WV,		Electrolytic	1		
C232	ECEA35V4R7	4.7μF,	35WV,		Electrolytic	1		
C501	ECQM05104KZ	0.1μF,	50WV,	±10%,	Polyester	1		
C502	ECQM05104KZ	0.1μF,	50WV,	±10%,	Polyester	1		
C503	ECEA50MR68R	0.68μF,	50WV,		Electrolytic	1		
C504	ECEA50MR68R	0.68μF,	50WV,		Electrolytic	1		

Ref. No.	Part No.	Part Name & Description				Per Set		Remarks
C505	ECCD1H100K	10pF,	50WV,	±10%,	Ceramic	1		
C506	ECCD1H100K	10pF,	50WV,	±10%,	Ceramic	1		
C507	ECEA35V4R7	4.7μF,	35WV,		Electrolytic	1		
C508	ECEA35V4R7	4.7μF,	35WV,		Electrolytic	1		
C509	ECEA50V1	1μF,	50WV,		Electrolytic	1		
C510	ECEA50V1	1μF,	50WV,		Electrolytic	1		
C511	ECEA16V47	47μF,	16WV,		Electrolytic	1		
C512	ECEA16V47	47μF,	16WV,		Electrolytic	1		
C513	ECEA16V33	33μF,	16WV,		Electrolytic	1		
C514	ECEA16V33	33μF,	16WV,		Electrolytic	1		
C515	**ECEA16N4R7**	4.7μF,	16WV,	Non-Polar	Electrolytic	1		
C516	**ECEA16N4R7**	4.7μF,	16WV,	Non-Polar	Electrolytic	1		
C517	ECKD2H821KB	820pF,	500WV,	±10%,	Ceramic	1		
C518	ECKD2H821KB	820pF,	500WV,	±10%,	Ceramic	1		
C519	ECKD2H821KB	820pF,	500WV,	±10%,	Ceramic	1		
C520	ECKD2H821KB	820pF,	500WV,	±10%,	Ceramic	1		
C521	ECQM05562JZ	0.0056μF,	50WV,	±5%,	Polyester	1		
C522	ECQM05562JZ	0.0056μF,	50WV,	±5%,	Polyester	1		
C523	ECQM05562JZ	0.0056μF,	50WV,	±5%,	Polyester	1		
C524	ECQM05562JZ	0.0056μF,	50WV,	±5%,	Polyester	1		
C525	ECCD1H120K	12pF,	50WV,	±10%,	Ceramic	1		
C526	ECCD1H120K	12pF,	50WV,	±10%,	Ceramic	1		
C527	ECCD1H180K	18pF,	50WV,	±10%,	Ceramic	1		
C528	ECCD1H180K	18pF,	50WV,	±10%,	Ceramic	1		
C529	ECQM05123JZ	0.012μF,	50WV,	±5%,	Polyester	1		
C530	ECQM05123JZ	0.012μF,	50WV,	±5%,	Polyester	1		
C531	ECQM05823JZ	0.082μF,	50WV,	±5%,	Polyester	1		
C532	ECQM05823JZ	0.082μF,	50WV,	±5%,	Polyester	1		
C533	ECQM05123JZ	0.012μF,	50WV,	±5%,	Polyester	1		
C534	ECQM05123JZ	0.012μF,	50WV,	±5%,	Polyester	1		
C535	ECQM05823JZ	0.082μF,	50WV,	±5%,	Polyester	1		
C536	ECQM05823JZ	0.082μF,	50WV,	±5%,	Polyester	1		
C537	**ECEA50N1**	1μF,	50WV,	Non-Polar	Electrolytic	1		
C538	**ECEA50N1**	1μF,	50WV,	Non-Polar	Electrolytic	1		
C539	ECKD2H331KB	330pF,	500WV,	±10%,	Ceramic	1		
C540	ECKD2H331KB	330pF,	500WV,	±10%,	Ceramic	1		
C541	ECQM05152JZ	0.0015μF,	50WV,	±5%,	Polyester	1		
C542	ECQM05152JZ	0.0015μF,	50WV,	±5%,	Polyester	1		
C543	ECQM05473JZ	0.047μF,	50WV,	±5%,	Polyester	1		
C544	ECQM05473JZ	0.047μF,	50WV,	±5%,	Polyester	1		
C545	ECQM05393JZ	0.039μF,	50WV,	±5%,	Polyester	1		
C546	ECQM05393JZ	0.039μF,	50WV,	±5%,	Polyester	1		
C547	ECEA50MR68R	0.68μF,	50WV,		Electrolytic	1		
C548	ECEA50MR68R	0.68μF,	50WV,		Electrolytic	1		
C549	**ECEA50N1**	1μF,	50WV,	Non-Polar	Electrolytic	1		
C550	**ECEA50N1**	1μF,	50WV,	Non-Polar	Electrolytic	1		
C561	ECCD1H330K	33pF,	50WV,	±10%,	Ceramic	1		
C562	ECCD1H330K	33pF,	50WV,	±10%,	Ceramic	1		
C601	ECEA50M1R	1μF,	50WV,		Electrolytic	1		
C602	ECEA50M1R	1μF,	50WV,		Electrolytic	1		
C603	ECKD2H221KB	220pF,	500WV,	±10%,	Ceramic	1		
C604	ECKD2H221KB	220pF,	500WV,	±10%,	Ceramic	1		
C605	ECCD2H070D	7pF,	50WV,	±0.5pF,	Ceramic	1		
C606	ECCD2H070D	7pF,	50WV,	±0.5pF,	Ceramic	1		
C609	ECQM05473KZ	0.047μF,	50WV,	±10%,	Polyester	1		
C610	ECQM05473KZ	0.047μF,	50WV,	±10%,	Polyester	1		
C611	ECCD2H270K	27pF,	500WV,	±10%,	Ceramic	1		
C612	ECCD2H270K	27pF,	500WV,	±10%,	Ceramic	1		
C613	ECKD2H331KB	330pF,	500WV,	±10%,	Ceramic	1		

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C614	ECKD2H331KB	330pF, 500WV, ±10%, Ceramic	1	
C615	ECKD1H102KB	0.001μF, 50WV, ±10%, Ceramic	1	
C616	ECKD1H102KB	0.001μF, 50WV, ±10%, Ceramic	1	
C617	ECQM05183KZ	0.018μF, 50WV, ±10%, Polyester	1	
C618	ECQM05183KZ	0.018μF, 50WV, ±10%, Polyester	1	
C619	ECKD2H331KB	330pF, 500WV, ±10%, Ceramic	1	
C620	ECKD2H331KB	330pF, 500WV, ±10%, Ceramic	1	
C621	ECQM05183KZ	0.018μF, 50WV, ±10%, Polyester	1	
C622	ECQM05183KZ	0.018μF, 50WV, ±10%, Polyester	1	
C623	ECCD2H270K	27pF, 500WV, ±10%, Ceramic	1	
C624	ECCD2H270K	27pF, 500WV, ±10%, Ceramic	1	
C625	ECCD2H270K	27pF, 500WV, ±10%, Ceramic	1	
C626	ECCD2H270K	27pF, 500WV, ±10%, Ceramic	1	
C627	ECQM1473KZ	0.047μF, 125WV, ±10%, Polyester	1	
C628	ECQM1473KZ	0.047μF, 125WV, ±10%, Polyester	1	
C629	ECEA25V33	33μF, 25WV, Electrolytic	1	
C630	ECEA25V33	33μF, 25WV, Electrolytic	1	
C631	**ECEA100V100V**	100μF, 100WV, Electrolytic	1	
C632	**ECEA100V47V**	47μF, 100WV, Electrolytic	1	
C633	ECQM05392JZ	0.0039μF, 50WV, ±5%, Polyester	1	
C634	ECQM05392JZ	0.0039μF, 50WV, ±5%, Polyester	1	
C701	ECQM2104KZ	0.1μF, 500WV, ±10%, Polyester	1	
C702	ECEM80R223Z	22000μF, 80WV, Electrolytic	1	
C703	ECEM80R223Z	22000μF, 80WV, Electrolytic	1	
C704	ECEA63V470V	470μF, 63WV, Electrolytic	1	
C705	ECEA63V470V	470μF, 63WV, Electrolytic	1	
C706	**ECEA63V47V**	47μF, 63WV, Electrolytic	1	
C707	**ECEA63V47V**	47μF, 63WV, Electrolytic	1	
C708	**ECEA50V47V**	47μF, 50WV, Electrolytic	1	
C709	**ECEA50V47V**	47μF, 50WV, Electrolytic	1	
C710	**ECEA25V220V**	220μF, 25WV, Electrolytic	1	
C711	ECEA16V33	33μF, 16WV, Electrolytic	1	
C712	**ECEA16V470V**	470μF, 16WV, Electrolytic	1	
C713	**ECEA50V220V**	220μF, 50WV, Electrolytic	1	
C714	**ECEA50V220V**	220μF, 50WV, Electrolytic	1	
C715	ECKD1H103PF	0.01μF, 50WV, +100 −0 %, Ceramic	1	
C716	ECKD1H103PF	0.01μF 50WV, +100 −0 %, Ceramic	1	
C717	**ECEA16N220V**	220μF 16WV, Non Polar Electrolytic	1	
C718	**ECEA10V100V**	100μF, 10WV, Non Polar	1	
C719	**ECEA10V100V**	100μF, 10WV, Electrolytic	1	
C720	**ECEA25V220V**	220μF, 25WV Electrolytic	1	
C721	**ECEA25V220V**	220μF, 25WV, Electrolytic	1	
C722	**ECEA25V100V**	100μF, 25WV, Electrolytic	1	
C723	**ECEA16V220V**	220μF, 16WV, Electrolytic	1	
C724	**ECEA35V100V**	100μF, 35WV, Electrolytic	1	
C725	**ECEA50V100V**	100μF, 50WV, Electrolytic	1	
C726	**ECEA50V100V**	100μF, 50WV, Electrolytic	1	
C727	ECKD2H103PF	0.01μF, 500WV, +100 −0 %, Ceramic	1	
C728	ECKD2H103PF	0.01μF 500WV, +100 −0 %, Ceramic	1	
C729	ECKD2H103PF	0.01μF, 500WV, +100 −0 %, Ceramic	1	
C730	ECKD2H103PF	0.01μF, 500WV, +100 −0 %, Ceramic	1	
C731	ECKD1H103PF	0.01μF 50WV, +100 −0 %, Ceramic	1	
C732	ECKD1H103PF	0.01μF 50WV, +100 −0 %, Ceramic	1	
C733	**ECEA35V220V**	220μF, 35WV, +100 −0 %, Electrolytic	1	
C740	ECKD1H103PF	0.01μF, 50WV, +100 −0 %, Ceramic	1	
C801	ECQM1473M	0.047μF, 125WV, ±20%, Polyester	1	
C802	ECQM1473M	0.047μF, 125WV, ±20%, Polyester	1	
C1001 [M]	ECQU1A103MD	0.01μF, 125VAC, ±20%, Polyester	1	
C1002 [M]	ECQU1A103MD	0.01μF, 125VAC, ±20%, Polyester	1	
C1001 [MC]	ECQU1A103MC	0.01μF, 125VAC, ±20%, Polyester	1	
C1002 [MC]	ECQU1A103MC	0.01μF, 125VAC, ±20%, Polyester	1	

Ref. No.	Part No.	Part Name & Desciption	Per Set	Remarks
VARIABLE CAPACITORS				
CV1~CV6 (CT1~CT6)	ECV6MX34X15G	Tuning Gang, FM and AM (with trimmer)	1	
COMPONENT COMBINATIONS				
Z101	EXA5DL04C	FM Detector Circuit	1	
Z703, 704	RXAF103P22HD	0.01μF (X2), Rectifier Circuit	2	
LAMPS				
PL1, 2, 3	XAMR54T	Dial Lamp, (12.6V 0.38A)	3	
PL4	XAMR38S200B	Lamp, Stereo Indicator (6.3V 40mA)	1	
FUSES				
F1	XBAS2A10001	10A Fuse, Primary	1	
F2	XBA1M20NU100	2A Fuse, Dial Lamp	1	
F3, 4	XBA1M10NU100	1A Fuse, Secondary	2	
SWITCHES				
S101, 102, 503, 504, 505	SSH511S	Push Switch, Delay Time, Muting Mode, AF Muting & Loudness	1	
S201	SSR63	Selector Switch, Phono Inpedance	1	
S501	SSR61	Selector Switch, Input	1	
S502	SSR59	Selector Switch, Tape Monitor	1	
S506, 507, 508,	SSH319S	Push Switch, Turnover & Tone Defeat	1	
S509, 510	SSH227S	Push Switch, High & Low Filter	1	
S1001	SSHA5760M-1	Push Switch, Power (with Button)	1	
S1002	SSH223S	Push Switch, Speakers	1	
RELAYS				
RLY101	SSY9	Relay, Muting	1	
RLY601	SSY15	Relay, Speaker Protection	1	
METERS				
	SSM77	Meter, Signal	1	
	SSM79	Meter, Tuning	1	
CABINET and CHASSIS PARTS				
1	XTS3+8CFZ	Screw, Panal M'tg	2	
2	XTB3+8BFZ	Screw, Panel, Dial Light Plate & Bottom Board M'tg	28	
3	SYW29	Panel, Front	1	
4	SGX6461	Sleeve, Push Switch Buttons	3-2/3	
5	SGX6455	Sleeve, Push Switch Buttons	1	
6	SGX6457	Ornament, Front Panel	2	
7	SGU17	Glass Plate, Front Panel	1	
8	SBN593	Knob, Bass, Treble Balance, Tape Monitor, Selector & Inpedance Switch	6	
9	SBN585-1	Knob, Volume	1	
10	SBN591	Knob, Tuning	1	
11	SBC149	Button, Push Switches	12	
12	SHGA703	Rubber Bushing, Push Switch Buttons	10	

■ LOCATION OF CABINET & CHASSIS PARTS



Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
13	SHG1339	Rubber Bushing, Push Switch Buttons	2	

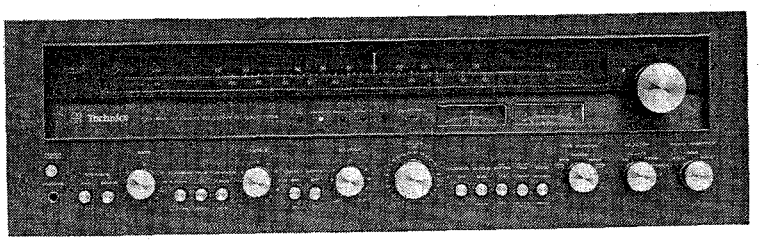
Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
69	SJPA11	Short Pin, PHONO 2 Terminal Accessory	2	

ORDER NO. SD7702-1193

Service Manual

SA-5770A

(FEE)



For additional information, please refer to the service manual for Model No. SA-5770 (M/MC).

Notes: * This service manual includes only the changes of the **SA-5770 (M/MC)** service manual (ORDER NO.SD7702-1180).
* When servicing model **SA-5770A (FEE),** this service manual and **SA-5770 (M/MC)** (ORDER NO. SD7702-1180) service manual should be used together.

CHANGES

■ REPLACEMENT PARTS LIST

Ref. No.	Change of Part No. SA-5770 ➡ SA-5770A		Part Name & Description	Per Set (Pcs.)	Remarks
T1001	SLT5Y1	SLT5Y3	Power Transformer	1	
R168,169	ERD25TJ270	ERD25TJ271	Carbon Resistor, 270Ω , 1/4W (Correction)	2	
R173,174	ERD25TJ332	ERD25TJ392	Carbon Resistor, 3.9kΩ , 1/4W (Correction)	2	
R1001	ERC12ZGK335	Deletion	.....	0	
R251,252	Addition	ERD25TJ104	Carbon Resistor, 100kΩ , 1/4W, ±5%	2	
R253,254	Addition	ERD25TJ474	Carbon Resistor, 470kΩ , 1/4W, ±5%	2	
R255,256	Addition	ERD25TJ472	Carbon Resistor, 4.7kΩ , 1/4W, ±5%	2	
R257,258	Addition	ERD25TJ472	Carbon Resistor, 4.7kΩ , 1/4W, ±5%	2	
C1001 (M) C1001 (MC)	ECQU1A103MD ECQU1A103MC	Deletion	.....	0	
C1002 (M) C1002 (MC)	ECQU1A103MD ECQU1A103MC	Deletion	.....	0	
F1	XBAS2A1001	XBA2E100NS5	Fuse, 10A (250V), Power Source Primary	1	
F2	XBA1M20NU100	XBA1K20NS5	Fuse, 2A (125V), Dial Lamp	1	
F3,4	XBA1M10NU100	XBA1K10NS5	Fuse, 1A (125V), Power Source Secondary	2	
F5	Addition	XBA2E50NS5	Fuse, 5A (250V), Power Source Primary	1	
S1001	SSHA5760M-1	SSHA5760X-1	Switch, Power (with Button)	1	
S1003	Addition	SSR53S	Switch, Voltage Selector	1	
-	SSM77	SSM85	Meter, Signal	1	
-	SSM79	SSM87	Meter, Tuning	1	
3	SYW29	SYW79	Panel, Front	1	○
37	SDH329-3	SDH329-4	Plate, Dial Light & Meter M'tg	1	* ○
42	SHRA916-1	SHRA916-2	Clip, Dial Scale M'tg	2	
43	SKD2610	SKD2910	Scale, Dial	1	*
44	SUM11-1	SUM11	Bracket, Dial Scale	1	*
47	SDP1099	SDP1099-1	Pointer, Dial	1	*
52	SKU5810	SKU5810-2S	Bottom Board	1	*

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P.O.Box 288, Central Osaka Japan

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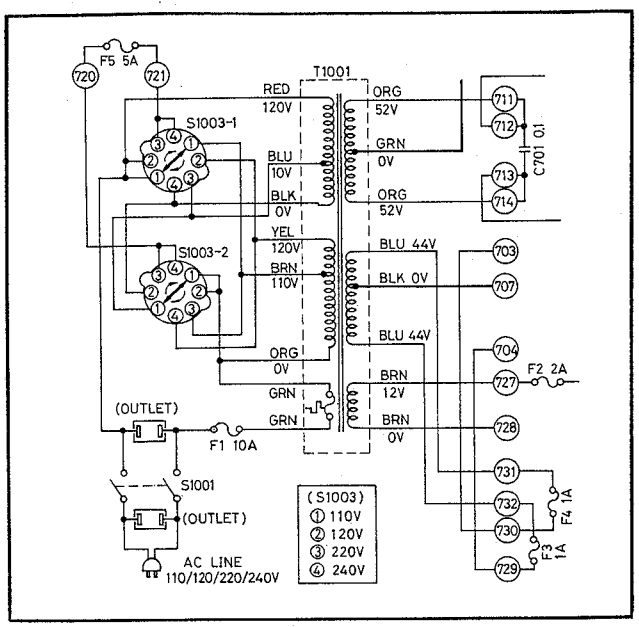
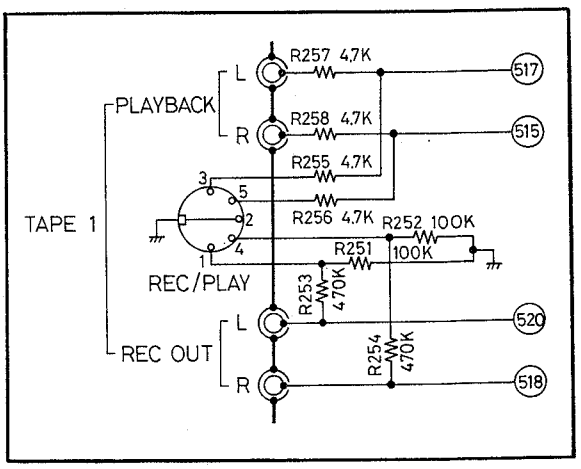
Ref. No.	Change of Part No. SA-5770 ➡ SA-5770A		Part Name & Description	Per Set (Pcs.)	Remarks
61 (M)	SGP352C	SPGA5770AF	Rear Panel (SGP352-1A with Name Plate [SGT12413])	1	○
61 (MC)	SGP352D				
64	XTB4+35FFZ	XTB4+12FFZ	Screw, Cabinet M'tg	4	
65-1	XWA4BFZ	Deletion	.....	0	
67	QQC1045	Deletion	.....	0	
68	SKA9110W	SKA8291W	Cabinet, Simulated Black Wood	1	
70	SNE63	Deletion	.....	0	
	Addition	SJS6501	DIN Socket, Tape Monitor	1	
A2	Addition	RJP5	Accessory, Pin Plug	4	
P3	SPS907	SPS409	Pad, Left Side	1	
P4	SPS903	Deletion	.....	0	
P5	SPS909	SPS411	Pad, Right Side	1	
P6	SPS905	Deletion	.....	0	
P7	SPS957	Deletion	.....	0	
P8 (M)	SPG955	SPG973	Carton Box, Outer	1	○
P8 (MC)	SPG957				
P9 (M)	SQF1527	SQF1553	Printed Matter	1	○
P9 (MC)	SQF1529				
P10	Addition	SPS523	Pad, Left and Right Side	2	
P11	Addition	SPS547	Pad, Bottom Side	1	
P12	Addition	SPN5201	Carton Box, Inner	1	○
P13	Addition	SPS693	Pad, Carton Box	2	
P14	Addition	SPS807	Pad, Carton Box	1	
	Addition	RJP74-1	Accessory, AC Plug	1	
	Addition	RJP75	Accessory, AC Plug	1	

■ SCHEMATIC DIAGRAMS

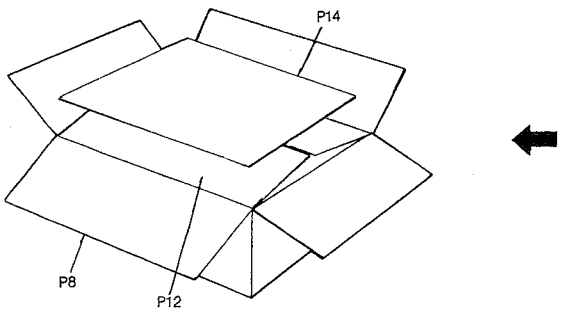
● Power Source Circuit

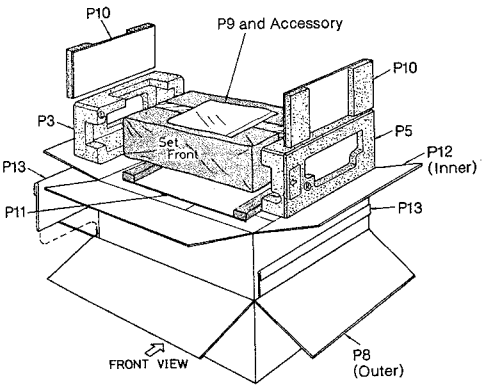


● Tape Deck 1 DIN Connection



■ PACKINGS





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